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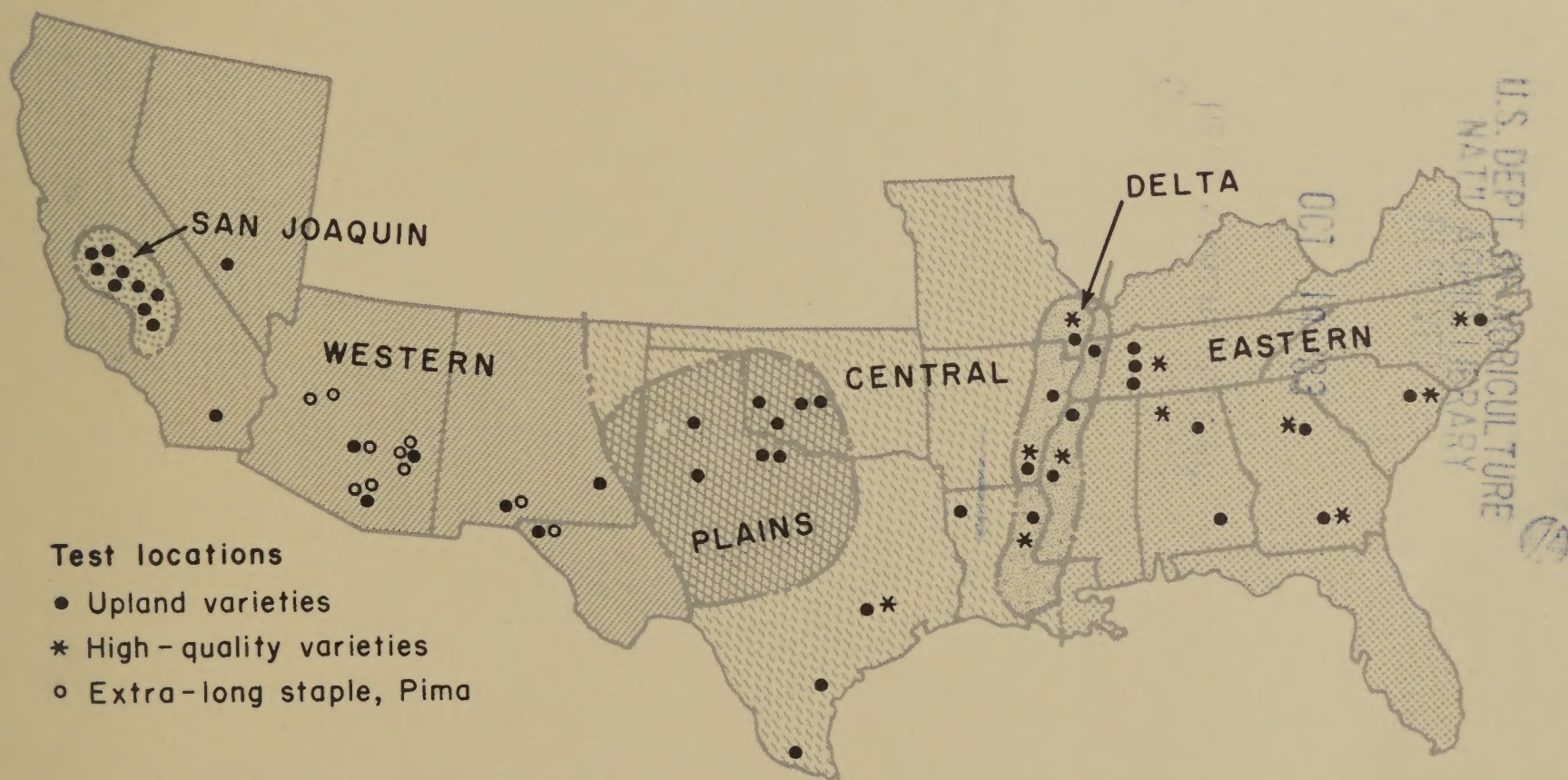
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# Regional Cotton Variety Tests, 1974

## Yield, Boll, Spinning, and Fiber Data









## **REGIONAL COTTON VARIETY TESTS, 1974**

Yield, Boll, Spinning, and Fiber Data

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Agricultural Research Service  
U.S. Department of Agriculture

The Regional Cotton Variety Test series is available free of charge from the Cotton Quality Research Unit, Southern Regional Research Center, P.O. Box 19687, New Orleans, La. 70179. Reports for test years 1968-73 and 1975-79 are available. Publication of the 1974 tests has been delayed because of difficulties encountered in the summarization of the data.

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## INTRODUCTION

The National Cotton Variety Testing Program, developed from recommendations of the Joint Cotton Breeding Policy Committee, is a system for uniform reporting of data from cotton-yield trials across the U.S. Cotton Belt. The trials are conducted annually at selected locations involved in the variety-testing programs of the cooperating State agricultural experiment stations. The National Cotton Variety Testing Committee is responsible for coordinating program plans from year to year.

National standard varieties are chosen for a 3-year cycle of testing. For the fifth 3-year cycle of testing, which began in 1972, the national standards were Acala 1517-70, Coker 310, Deltapine 16, and Lockett 4789A. Within each region, cooperators annually select a group of regional standard varieties that are common to all tests within the region for the particular year. Each station may add entries of local interest, but only data on the national and regional standards are included in this report. All varieties are grown to obtain experimental data, and the designation of national and regional standards is not an endorsement of these varieties by the U.S.

Department of Agriculture or the cooperating State agricultural experiment stations.

Plot size, cultural practices, number of entries, and sampling methods are left to the discretion of the participating stations. While these details are not rigidly standardized, all tests are conducted by experienced personnel using sound experimental designs and procedures.

Yield, boll size, lint percentage, and seed index were supplied by the cooperating stations. Fiber samples were sent to USDA's Cotton Quality Laboratory (then located in Knoxville, Tenn.), where fiber and yarn tests were made. Boll size was not received from certain locations. All data were assembled in the Cotton Quality Laboratory and analyzed at the University of Florida computer center.

In 1974 the National Cotton Variety Testing Program was organized as shown on the cover map. Upland varieties were grown in all six regions. Strains developed in the Southern States with superior fiber properties and spinning performance were tested in three contiguous regions (high-quality test). Extra-long-staple American Pima varieties were tested in the Western Region.

## REGIONAL TESTS AND PARTICIPATING STATIONS

### Eastern Regional Cotton Variety Test (Upland Varieties)

Alabama Agricultural Experiment Station  
Sand Mountain Substation  
Georgia Coastal Plain Experiment Station  
Georgia College Experiment Station  
Pee Dee Experiment Station  
Upper Coastal Plain Experiment Station  
West Tennessee Agricultural Experiment Station  
Ames Plantation  
Milan Field Station

Auburn, Ala.  
Crossville, Ala.  
Tifton, Ga.  
Athens, Ga.  
Florence, S.C.  
Rocky Mount, N.C.  
Jackson, Tenn.  
Grand Junction, Tenn.  
Milan, Tenn.

### Delta Regional Cotton Variety Test (Upland Varieties)

Arkansas Agricultural Experiment Station:  
Delta Substation  
Southeast Branch Experiment Station

Clarkedale, Ark.  
Rohwer, Ark.



Mississippi Agricultural and Forestry

Experiment Station:

Delta Branch

Off-station test

Missouri Agricultural Experiment Station,

Delta Center

Northeast Louisiana Experiment Station

West Tennessee Agricultural Experiment

Station, off-station test

Stoneville, Miss.

Tunica, Miss.

Portageville, Mo.

St. Joseph, La.

Ridgely, Tenn.

Central Regional Cotton Variety Test (Upland Varieties)

Red River Valley Experiment Station

Texas A&M University:

Agricultural Research and Extension Center

Agricultural Research Station, off-station test

Texas Agricultural Experiment Station

Bossier City, La.

Weslaco, Tex.

Nueces County, Tex.

College Station, Tex.

Plains Regional Cotton Variety Test (Upland Varieties)

Oklahoma Agricultural Experiment Station:

Cotton Research Station:

Dryland test

Irrigated test

Irrigation Experiment Station

Sandy Land Research Station

Chickasha, Okla.

Chickasha, Okla.

Altus, Okla.

Mangum, Okla.

Texas A&M University:

Agricultural Research and Extension Center

(Chillicothe):

Dryland test

Irrigated test

Agricultural Research and Extension Center

(Lubbock):

Irrigated test

Off-station test

Chillicothe, Tex.

Chillicothe, Tex.

Lubbock, Tex.

Lamesa, Tex.

Western Regional Cotton Variety Test (Upland Varieties)

Arizona Agricultural Experiment Station:

Cotton Research Center

Marana Experimental Farm

Safford Branch Station

Imperial Valley Conservation Research Station

Nevada Agricultural Experiment Station,

Pahrump Field Laboratory

New Mexico Agricultural Experiment Station

Southeast Branch Station

Texas A&M University, Agricultural Research Station

Phoenix, Ariz.

Marana, Ariz.

Safford, Ariz.

Brawley, Calif.

Pahrump, Nev.

Las Cruces, N. Mex.

Artesia, N. Mex.

El Paso, Tex.

San Joaquin Valley Continuous Cotton Variety Test (Upland Varieties)

California Agricultural Experiment Station tests at:

Arvin

Chowchilla

Coalinga

Corcoran

Dinuba

Firebaugh

Kerman

Tulare

Wasco



## High-Quality Regional Cotton Variety Test

Alabama Agricultural Experiment Station, Tennessee Valley Substation	Belle Mina, Ala.
Arkansas Agricultural Experiment Station, Southeast Branch	Rohwer, Ark.
Georgia Coastal Plain Experiment Station	Tifton, Ga.
Georgia College Experiment Station	Athens, Ga.
Mississippi Agricultural and Forestry Experiment Station, Delta Branch	Stoneville, Miss.
Missouri Agricultural Experiment Station, Delta Center	Portageville, Mo.
Northeast Louisiana Experiment Station,	St. Joseph, La.
Pee Dee Experiment Station	Florence, S.C.
Texas Agricultural Experiment Station	College Station, Tex.
Upper Coastal Plain Experiment Station	Rocky Mount, N.C.
West Tennessee Agricultural Experiment Station	Jackson, Tenn.

## Pima Regional Cotton Variety Test

Arizona Agricultural Experiment Station: Cotton Research Center Off-station tests:	Phoenix, Ariz. Salome, Ariz. Wenden, Ariz.
Marana Experimental Farm Off-station test, Clark farm Safford Branch Station Off-station tests: Curtis farm Pace farm	Marana, Ariz. Marana, Ariz. Safford, Ariz.  Safford, Ariz. Safford, Ariz.
New Mexico Agricultural Experiment Station	Las Cruces, N. Mex.
Texas A&M University, Agricultural Research Center	El Paso, Tex.

## Combed-Yarn Test (Pima Varieties)

American Pima cottons are commonly spun into combed yarns. In addition to the data taken at Knoxville, Tenn., combed-yarn tests of Pima cotton grown at four locations conducting the Pima Regional Cotton Variety Test were made by the Agricultural Marketing Service, U.S. Department of Agriculture, at its Clemson, S.C., laboratory. Classer's designation, yarn tenacity of 11.8- and 7.4-tex (50's and 80's cotton count) yarns, appearance index, imperfections per 50 metres, and waste percentages are reported.

## TEST RESULTS

No interpretation of the test results other than the indication of the significant differences among means based on an analysis of variance is presented. Means followed by the same letter or letters cannot be considered significantly different at the 0.05 level of probability, as determined by Duncan's multiple-range test. A ran-

domized-block design was used for all analyses, although some tests were planted in lattice designs.

The yield reported for each variety is the average derived from the number of replications used. From three to eight replications were planted, depending on the station, and six replications were more commonly used. Boll,

fiber, and yarn data are based on two replications of each variety at all stations.

The tables for each regional test are arranged as follows: In the first four tables, average data for the entire region are given by cotton variety and location; the entries in these tables are arranged in order of decreasing lint yield. (For some tests, sub-regional summaries are also included.) Following these tables average data for each location in the region are given, each table being arranged by variety in decreasing order of lint yield.

The column headings and symbols are defined as follows:

Boll size. The mass, in grams, per boll of seed cotton.

Classer's designation. A description of the quality of cotton in terms of grade and staple according to the official cotton standards of the United States. For grade, classification is based on appearance and is accomplished chiefly through the sense of sight by integration of the three factors of grade--color, leaf, and preparation--in the sample. Classification for staple length involves both sight and touch and is made by pulling out and comparing a typical portion of fiber from a sample with the official staple types.

Colorimeter. These measurements were determined by the Nickerson-Hunter colorimeter (Spinlab model). Hunter's b value is a measure of increasing yellowness of the cotton.  $R_d$  is the percentage of the reflectance; the higher the value, the lighter the cotton.

Drawing sliver. The fiber length measured on the Servo Fibrograph from samples taken from the second-drawing sliver. The mean is the average length, in inches, of all fibers longer than one-fourth inch. The UHM (upper-half mean) is the length, in inches, of the half of the fibers, by weight, that contains the longer fibers. Values for UHM approximate classer's staple and also 2.5-percent span length.

Lint percent. The mass of lint ginned from a sample of seed cotton, expressed

as a percentage of the mass of seed cotton.

Lint yield. The mean production of the plots harvested, expressed in pounds of lint per acre.

Micronaire. The fineness of the sample taken from the ginned lint, measured by the Micronaire and expressed in standard (curvilinear scale) micronaire units.

Seed index. The mass of 100 seeds, in grams.

Span length. Fiber length measured on the Digital Fibrograph; the distance spanned by a specified percentage of the fibers in the test specimen, where the initial starting point of the scanning in the test is considered 100 percent. The 2.5-percent span length is the length, in inches, on the test specimen spanned by 2.5 percent of the fibers scanned at the initial starting point. The 2.5-percent span length approximates classer's staple. The 50-percent span length is the length, in inches, on the test specimen spanned by 50 percent of the fibers scanned at the initial starting point.

Stelometer.  $T_0$  is the fiber strength of a bundle of fibers measured on the Stelometer with the two jaws holding the fiber bundle tightly appressed, expressed in centinewtons (cN) per tex.  $T_1$  is the fiber strength of a bundle of fibers measured on the Stelometer with two jaws holding the fiber bundle separated by a 1/8-inch spacer, expressed in centinewtons per tex.  $E_1$  is the percentage elongation at break of the center one-eighth inch of the fiber bundle measured for  $T_1$  strength on the Stelometer.

Tex. The linear density of fibers, filaments, and yarns, expressed as the mass, in milligrams, of 1 metre of fiber or yarn.

Waste. The difference in mass, expressed as a percentage, of the fed stock and delivered stock. Picker and card waste is the loss in mass during opening, picking, and carding. Comber waste is the loss in mass during combing.



Yarn appearance index. The relative evenness, smoothness, and freedom from foreign material of the yarn as evaluated by a visual comparison of the yarn with the standards adopted by the American Society for Testing and Materials. Higher numbers indicate more even and smooth yarns with less foreign material.

Yarn imperfections. The abrupt changes in thickness of a yarn detected by two capacitor plates, expressed as the number of such changes per 1,000 yards of yarn; may be called neps.

Yarn tenacity. The strength of the yarn, in centinewtons per tex (cN/tex).

# EASTERN REGIONAL COTTON VARIETY TEST

Table 1.--Eastern test: Yield, boll, and spinning data by cotton variety

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Coker 1104 .....	666 a	6.29 b	40.1 de	10.8 def	4.24 bc
McNair 612 .....	655 a	5.95 cd	41.4 a	10.5 gh	4.40 a
Coker 310 .....	631 a	5.88 cde	40.6 cd	10.3 hi	4.06 f
Coker 202 .....	629 a	6.01 c	41.1 ab	10.5 gh	4.25 bc
Coker 201 .....	616 ab	6.00 c	41.0 abc	10.5 gh	4.19 cde
Delcot 277 .....	599 abc	6.65 a	38.9 f	11.5 b	3.71 g
Deltapine 16 .....	598 abc	5.99 c	39.1 f	10.7 efg	4.11 def
Stoneville 213 ....	583 abc	5.88 cde	39.0 f	10.8 cde	4.27 bc
Dixie King 3 .....	571 abc	6.64 a	39.9 e	11.0 cd	4.09 ef
McNair 511 .....	565 abc	5.28 g	39.2 f	10.2 i	4.20 cd
Stoneville 603 ....	565 abc	6.05 c	38.9 f	11.1 c	4.33 ab
Deltapine 652 .....	523 bc	5.62 f	40.8 bc	10.0 j	4.04 f
Lockett 4789A .....	505 c	6.24 b	37.1 g	11.9 a	4.03 f
Deltapine 25 .....	504 c	5.80 de	40.1 de	10.6 fg	4.20 cd
Acala 1517-70 .....	362 d	5.72 ef	37.0 g	11.6 ab	3.74 g
	Span length (inches)		Colorimeter		Yarn tenacity
	2.5%	50%	R <sub>d</sub>	Hunter's b value	(cN/tex)
Coker 1104 .....	1.19 bc	0.54 bcd	74.1 cd	7.5 cd	12.0 bc
McNair 612 .....	1.16 de	.54 abc	74.6 bcd	7.6 cd	11.5 defg
Coker 310 .....	1.21 a	.55 ab	74.6 bcd	7.8 bcd	12.2 b
Coker 202 .....	1.16 de	.53 cd	74.6 bc	7.7 bc	11.2 g
Coker 201 .....	1.15 de	.53 bcd	74.8 bcd	7.7 bc	11.4 fg
Delcot 277 .....	1.18 bc	.54 abc	74.2 cd	8.1 a	12.2 b
Deltapine 16 .....	1.17 de	.53 bcd	76.1 a	7.7 bc	11.3 fg
Stoneville 213 ....	1.15 e	.53 cde	74.6 bcd	7.7 bcd	11.3 fg
Dixie King 3 .....	1.12 f	.52 de	74.0 d	7.6 cd	11.7 cd
McNair 511 .....	1.12 f	.52 de	74.2 cd	8.2 a	12.1 b
Stoneville 603 ....	1.16 de	.53 bcd	75.1 bc	7.8 b	11.4 defg
Deltapine 652 .....	1.17 cd	.54 bcd	75.6 ab	7.8 bc	11.7 cde
Lockett 4789A .....	1.11 f	.52 e	75.4 ab	7.8 b	11.4 efg
Deltapine 25 .....	1.16 de	.54 abcd	74.8 bcd	7.7 bc	11.6 def
Acala 1517-70 .....	1.19 ab	.55 a	74.1 cd	7.4 d	14.1 a



Table 2.--Eastern test: Fiber data by cotton variety

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Coker 1104 .....	1.21 bc	0.97 bc	42.5 b	21.0 bc	7.1 e
McNair 612 .....	1.20 c	.98 ab	40.8 de	20.2 e	8.0 d
Coker 310 .....	1.23 a	.99 a	41.4 cd	20.8 bcd	8.0 d
Coker 202 .....	1.18 d	.95 cdef	40.6 ef	19.7 fg	7.8 d
Coker 201 .....	1.18 d	.96 bcde	39.9 fg	19.8 fg	7.9 d
Delcot 277 .....	1.21 c	.99 a	39.1 h	20.5 cde	10.6 a
Deltapine 16 .....	1.20 c	.97 bcd	37.9 i	19.6 fg	10.6 a
Stoneville 213 ....	1.18 d	.96 cdef	40.6 ef	19.5 g	8.0 d
Dixie King 3 .....	1.15 e	.95 cdef	40.5 ef	20.1 ef	8.1 d
McNair 511 .....	1.14 e	.95 def	42.0 bc	21.0 b	9.2 b
Stoneville 603 ....	1.18 d	.96 cdef	41.6 c	20.3 e	7.9 d
Deltapine 652 .....	1.17 d	.94 ef	41.5 cd	20.5 cde	9.0 c
Lockett 4789A .....	1.14 e	.94 f	39.6 gh	19.7 fg	8.0 d
Deltapine 25 .....	1.17 d	.95 cdef	41.4 cd	20.4 de	8.7 c
Acala 1517-70 .....	1.22 ab	1.00 a	48.5 a	24.1 a	6.7 f

Table 3.--Eastern test: Yield, boll, and spinning data by test location

Location	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Ames Plantation, Tenn. ....	824 a	6.47 a	38.7 e	11.3 a	4.22 c
Florence, S.C. ....	785 ab	5.95 b	39.6 cd	10.4 d	4.02 d
Athens, Ga. ....	739 b	5.85 b	43.2 a	11.0 ab	4.81 a
Rocky Mount, N.C. .	675 c	6.37 a	41.0 b	10.8 bc	4.38 b
Auburn, Ala. ....	607 d	5.58 c	41.3 b	11.2 a	4.78 a
Tifton, Ga. ....	555 d	5.84 b	40.1 c	10.8 bc	4.36 b
Crossville, Ala. ..	472 e	NA	39.2 de	10.4 d	3.50 ef
Milan, Tenn. ....	285 f	5.97 b	36.4 f	10.7 cd	3.60 e
Jackson, Tenn. ....	235 ef	5.96 b	37.0 f	10.6 cd	3.45 f
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	R <sub>d</sub>	Hunter's b value		
Ames Plantation, Tenn. ....	1.18 ab	0.54 b	75.2 de	7.9 b	12.6 a
Florence, S.C. ....	1.15 c	.53 cde	77.5 a	8.0 b	11.6 c
Athens, Ga. ....	1.14 cd	.54 bc	71.5 g	8.4 a	10.3 e
Rocky Mount, N.C. .	1.17 b	.56 a	73.9 f	6.9 e	12.5 a
Auburn, Ala. ....	1.11 e	.51 f	72.0 g	7.7 cd	11.0 d
Tifton, Ga. ....	1.13 de	.53 de	75.5 cd	7.6 d	11.5 c
Crossville, Ala. ..	1.20 a	.54 bcd	76.4 b	7.0 e	12.1 b
Milan, Tenn. ....	1.19 ab	.53 de	74.5 ef	7.8 bc	12.1 b
Jackson, Tenn. ....	1.17 b	.53 e	76.2 bc	8.4 a	12.5 a

NA, Data not available.

Table 4.--Eastern test: Fiber data by location

Location	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Ames Plantation, Tenn. ....	1.22 a	1.01 a	40.2 d	20.2 cd	7.9 c
Florence, S.C. ....	1.19 cd	.96 bc	45.4 a	22.7 a	10.1 a
Athens, Ga. ....	1.14 f	.95 c	38.0 f	18.2 f	7.2 d
Rocky Mount, N.C. .	1.18 de	.98 b	40.8 c	20.4 c	7.9 c
Auburn, Ala. ....	1.12 f	.91 d	41.4 b	19.8 d	6.8 e
Tifton, Ga. ....	1.16 e	.96 bc	41.8 b	21.0 b	8.5 b
Crossville, Ala. ..	1.20 bc	.96 bc	38.1 f	19.1 e	8.5 b
Milan, Tenn. ....	1.21 ab	.98 b	39.7 e	19.6 d	8.5 b
Jackson, Tenn. ....	1.23 a	.97 bc	45.2 a	23.1 a	10.1 a



Table 5.--Eastern test: Yield, boll, and spinning data for Florence, S.C.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
McNair 612 .....	1023 a	6.03	42.0	10.1	4.34
Coker 1104 .....	1001 a	6.24	40.2	10.0	4.20
Coker 201 .....	938 ab	6.09	40.9	10.0	4.15
Coker 310 .....	927 ab	5.66	39.4	9.7	4.09
Coker 202 .....	886 bc	5.33	41.5	9.7	3.72
Deltapine 16 .....	877 bc	6.18	40.6	10.1	4.05
Deltapine 652 .....	825 bcd	5.68	41.9	9.5	3.93
Stoneville 213 ....	822 bcde	5.80	39.3	10.5	4.23
Stoneville 603 ....	788 cde	5.89	38.9	10.9	4.30
Dixie King 3 .....	759 de	6.33	38.7	10.9	3.89
Delcot 277 .....	733 def	6.85	39.1	11.4	3.63
Deltapine 25 .....	708 ef	5.51	40.4	9.9	4.03
McNair 511 .....	640 f	5.40	37.6	10.4	4.00
Lockett 4789A .....	501 g	6.43	36.5	12.3	4.17
Acala 1517-70 .....	349 h	5.78	36.8	10.5	3.55
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	$R_d$	Hunter's <i>b</i> value		
McNair 612 .....	1.13	0.53	78.1	8.0	11.4
Coker 1104 .....	1.17	.53	77.7	7.9	11.4
Coker 201 .....	1.13	.54	77.4	7.9	11.2
Coker 310 .....	1.18	.53	76.9	7.7	12.4
Coker 202 .....	1.21	.55	77.4	7.8	11.6
Deltapine 16 .....	1.16	.54	78.6	8.0	10.9
Deltapine 652 .....	1.17	.54	79.0	8.0	11.5
Stoneville 213 ....	1.11	.50	77.8	8.0	11.4
Stoneville 603 ....	1.15	.52	77.6	7.8	11.6
Dixie King 3 .....	1.12	.53	76.7	7.7	11.5
Delcot 277 .....	1.19	.56	77.2	8.3	12.0
Deltapine 25 .....	1.17	.56	78.2	8.0	11.5
McNair 511 .....	1.12	.52	76.4	8.5	11.8
Lockett 4789A .....	1.08	.52	77.0	8.1	11.1
Acala 1517-70 .....	1.15	.55	76.1	8.1	13.0

Table 6.--Eastern test: Fiber data for Florence, S.C.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
McNair 612 .....	1.19	0.97	44.9	23.0	9.7
Coker 1104 .....	1.21	.93	47.0	21.0	7.8
Coker 201 .....	1.17	.95	44.3	21.8	9.4
Coker 310 .....	1.24	.96	46.4	23.9	9.3
Coker 202 .....	1.24	.96	46.7	23.4	10.5
Deltapine 16 .....	1.20	.95	42.1	21.8	13.0
Deltapine 652 .....	1.19	.93	44.4	22.7	10.8
Stoneville 213 ....	1.18	1.00	43.9	21.3	10.0
Stoneville 603 ....	1.20	1.00	46.2	22.4	8.9
Dixie King 3 .....	1.19	1.01	43.5	22.7	10.4
Delcot 277 .....	1.22	.99	43.9	23.0	12.5
Deltapine 25 .....	1.17	.95	46.1	22.5	10.3
McNair 511 .....	1.14	.93	45.4	23.3	11.2
Lockett 4789A .....	1.14	.94	43.6	21.7	9.7
Acala 1517-70 .....	1.17	.94	54.3	27.0	8.2



Table 7.--Eastern test: Yield, boll, and spinning data for Ames Plantation, Tenn.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
McNair 612 .....	1002 a	6.22	41.0	10.9	4.46
Coker 310 .....	930 ab	6.33	39.5	11.1	4.05
Stoneville 213 ....	900 ab	6.43	38.0	11.5	4.36
Coker 1104 .....	896 ab	6.76	39.3	11.1	4.22
Coker 201 .....	895 ab	6.27	40.6	11.1	4.58
Coker 202 .....	894 ab	6.47	40.6	10.9	4.58
Dixie King 3 .....	876 bc	7.54	39.3	11.7	4.27
Delcot 277 .....	849 bcd	7.11	38.2	12.2	3.79
Lockett 4789A .....	835 bcd	6.70	36.5	12.8	4.17
McNair 511 .....	768 cde	5.50	38.3	10.5	4.43
Deltapine 652 .....	745 de	5.93	39.4	10.2	4.06
Stoneville 603 ....	713 e	6.56	36.8	11.5	4.04
Deltapine 16 .....	703 e	6.46	37.6	11.1	4.10
Acala 1517-70 .....	699 e	6.78	36.9	12.4	4.08
Deltapine 25 .....	659 e	6.06	38.5	10.8	4.08
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%		50%	$R_d$	Hunter's <i>b</i> value	
McNair 612 .....	1.19	0.54	76.0	7.7	12.7
Coker 310 .....	1.23	.56	74.9	8.4	13.1
Stoneville 213 ....	1.19	.56	75.6	7.6	11.6
Coker 1104 .....	1.24	.56	73.6	7.6	12.8
Coker 201 .....	1.18	.55	76.2	7.8	12.3
Coker 202 .....	1.18	.54	75.7	8.0	12.0
Dixie King 3 .....	1.13	.54	72.7	7.3	12.6
Delcot 277 .....	1.21	.54	75.2	8.3	12.8
Lockett 4789A .....	1.12	.52	76.7	8.2	12.2
McNair 511 .....	1.14	.54	74.4	8.8	13.0
Deltapine 652 .....	1.19	.54	74.9	7.8	12.3
Stoneville 603 ....	1.18	.55	75.5	8.7	12.2
Deltapine 16 .....	1.20	.56	76.4	7.9	11.7
Acala 1517-70 .....	1.18	.55	73.7	7.5	15.2
Deltapine 25 .....	1.20	.54	76.4	7.9	12.8

Table 8.--Eastern test: Fiber data for Ames Plantation, Tenn.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
McNair 612 .....	1.24	1.04	40.8	20.1	7.7
Coker 310 .....	1.27	1.06	41.5	21.3	7.6
Stoneville 213 ....	1.22	1.00	39.2	18.9	7.2
Coker 1104 .....	1.25	1.00	41.9	21.2	6.7
Coker 201 .....	1.21	1.00	40.0	19.9	7.2
Coker 202 .....	1.24	1.02	39.9	19.6	7.1
Dixie King 3 .....	1.19	1.02	39.2	19.5	7.5
Delcot 277 .....	1.26	1.08	37.3	19.8	10.6
Lockett 4789A .....	1.19	1.01	38.2	19.4	7.7
McNair 511 .....	1.18	.99	41.7	20.9	8.4
Deltapine 652 .....	1.20	.97	40.2	19.0	8.1
Stoneville 603 ....	1.20	.99	38.5	19.5	8.8
Deltapine 16 .....	1.26	1.06	37.2	19.1	10.4
Acala 1517-70 .....	1.24	1.07	47.3	24.4	6.3
Deltapine 25 .....	1.24	1.02	40.2	20.4	8.2



Table 9.--Eastern test: Yield, boll, and spinning data for Athens, Ga.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Coker 202 .....	904 a	5.98	44.9	10.7	4.85
Coker 1104 .....	902 ab	6.38	42.6	10.9	5.08
Coker 201 .....	852 abc	5.70	44.9	10.5	5.03
Stoneville 213 ...	834 abc	5.44	43.4	10.9	4.92
McNair 612 .....	811 abc	5.68	45.4	10.7	5.09
Delcot 277 .....	782 abcd	7.04	42.9	11.8	4.62
Stoneville 603 ...	780 abcd	6.16	42.8	11.7	5.08
Deltapine 25 .....	768 abcd	5.92	43.6	11.2	4.80
Coker 310 .....	757 bcd	5.45	44.6	10.0	4.73
McNair 511 .....	754 cd	5.10	42.0	10.7	5.05
Deltapine 16 .....	736 cd	5.81	41.0	11.8	4.61
Dixie King 3 .....	655 de	6.60	44.1	11.4	4.83
Lockett 4789A ....	641 de	5.92	41.9	11.9	4.94
Acala 1517-70 ....	574 e	5.18	40.1	11.2	3.98
Deltapine 652 ....	331 f	5.36	43.7	10.3	4.62
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%		50%	$R_d$	Hunter's <i>b</i> value	
Coker 202 .....	1.11	0.54	71.4	8.7	10.0
Coker 1104 .....	1.12	.53	71.5	8.6	10.9
Coker 201 .....	1.15	.56	72.4	8.5	10.1
Stoneville 213 ...	1.17	.57	70.6	8.1	9.1
McNair 612 .....	1.11	.53	72.7	8.2	10.0
Delcot 277 .....	1.13	.55	68.9	8.8	10.2
Stoneville 603 ...	1.21	.57	73.4	8.4	10.0
Deltapine 25 .....	1.18	.56	68.6	8.3	9.4
Coker 310 .....	1.17	.53	70.5	8.9	10.6
McNair 511 .....	1.07	.51	70.5	8.2	10.0
Deltapine 16 .....	1.17	.55	73.0	8.1	9.7
Dixie King 3 .....	1.14	.54	70.2	8.4	9.8
Lockett 4789A ....	1.07	.51	72.5	8.5	10.6
Acala 1517-70 ....	1.17	.56	73.3	8.3	13.5
Deltapine 652 ....	1.16	.54	73.3	8.3	10.9

Table 10.--Eastern test: Fiber data for Athens, Ga.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Coker 202 .....	1.10	0.91	39.9	18.2	6.4
Coker 1104 .....	1.19	.98	39.4	19.3	6.6
Coker 201 .....	1.13	.94	37.3	17.3	6.5
Stoneville 213 ....	1.13	.91	35.9	16.6	7.2
McNair 612 .....	1.12	.95	37.4	18.2	6.8
Delcot 277 .....	1.11	.92	35.9	17.6	9.1
Stoneville 603 ....	1.19	.98	38.4	17.9	6.7
Deltapine 25 .....	1.15	.96	36.0	17.5	7.7
Coker 310 .....	1.17	.96	38.5	18.4	6.8
McNair 511 .....	1.10	.95	37.3	17.9	7.8
Deltapine 16 .....	1.20	1.00	33.5	17.2	9.4
Dixie King 3 .....	1.09	.89	36.1	16.9	7.1
Lockett 4789A .....	1.08	.91	39.5	18.8	6.7
Acala 1517-70 .....	1.20	.97	48.2	23.7	5.7
Deltapine 652 .....	1.15	.99	37.6	18.0	7.6



Table 11.--Eastern test: Yield, boll, and spinning data for Rocky Mount, N.C.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
McNair 612 .....	840 a	6.53	43.2	10.4	4.74
Deltapine 16 .....	792 ab	6.29	41.4	10.5	4.33
Coker 310 .....	792 ab	6.33	42.1	10.5	4.29
Coker 202 .....	782 abc	6.42	42.8	10.4	4.55
Coker 201 .....	761 abc	6.61	42.7	10.5	4.53
Delcot 277 .....	750 abcd	7.25	40.1	11.9	4.06
Deltapine 652 .....	714 bcde	6.14	43.1	9.7	4.39
McNair 511 .....	689 cde	5.60	40.5	10.4	4.39
Coker 1104 .....	655 def	6.40	41.4	10.6	4.37
Dixie King 3 .....	654 def	7.12	40.7	11.1	4.19
Stoneville 213 .....	632 efg	6.23	40.1	10.9	4.66
Stoneville 603 .....	617 efg	6.20	39.8	11.1	4.58
Lockett 4789A .....	564 fg	6.71	37.3	12.2	4.14
Deltapine 25 .....	549 g	6.18	41.9	10.8	4.68
Acala 1517-70 .....	339 h	5.59	39.0	10.9	3.77
		Span length (inches)		Colorimeter	
		2.5%	50%	$R_d$	Hunter's $b$ value
McNair 612 .....	1.18	0.58	74.2	7.0	12.6
Deltapine 16 .....	1.17	.55	75.9	7.3	11.9
Coker 310 .....	1.24	.59	73.8	6.9	12.9
Coker 202 .....	1.18	.56	72.8	6.5	11.6
Coker 201 .....	1.18	.55	72.8	7.1	12.0
Delcot 277 .....	1.21	.59	73.9	7.0	13.2
Deltapine 652 .....	1.16	.55	76.9	7.1	12.1
McNair 511 .....	1.13	.55	73.0	7.9	12.5
Coker 1104 .....	1.24	.60	71.4	6.9	13.2
Dixie King 3 .....	1.14	.57	72.7	6.3	12.8
Stoneville 213 .....	1.14	.56	74.6	6.6	12.2
Stoneville 603 .....	1.17	.55	75.6	6.9	12.0
Lockett 4789A .....	1.14	.54	75.8	7.3	12.1
Deltapine 25 .....	1.15	.55	73.6	6.7	12.2
Acala 1517-70 .....	1.22	.56	72.4	6.7	14.5

Table 12.--Eastern test: Fiber data for Rocky Mount, N.C.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
McNair 612 .....	1.25	1.08	41.5	20.6	8.1
Deltapine 16 .....	1.18	.99	37.5	18.9	9.7
Coker 310 .....	1.22	1.01	40.9	21.1	7.4
Coker 202 .....	1.17	.96	39.5	18.0	7.6
Coker 201 .....	1.17	.95	38.4	19.4	7.6
Delcot 277 .....	1.23	1.01	39.4	20.8	10.2
DeHapine 652 .....	1.14	.90	39.4	20.4	8.0
McNair 511 .....	1.15	.96	39.9	19.8	8.3
Coker 1104 .....	1.22	.99	45.0	22.3	6.6
Dixie King 3 .....	1.18	1.01	41.2	20.7	8.2
Stoneville 213 ....	1.19	1.02	40.8	20.3	7.8
Stoneville 603 ....	1.17	.98	41.4	20.8	7.4
Lockett 4789A .....	1.13	.92	39.8	19.9	6.8
Deltapine 25 .....	1.15	.92	41.0	20.4	8.1
Acala 1517-70 .....	1.21	1.03	46.6	23.5	6.6



Table 13.--Eastern test: Yield, boll, and spinning data for Tifton, Ga.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
McNair 511 .....	740 a	5.62	39.1	11.1	4.34
Coker 1104 .....	691 ab	5.88	41.3	11.0	4.48
Dixie King 3 .....	686 abc	6.78	41.0	11.2	4.38
Deltapine 16 .....	649 abc	5.86	39.4	10.5	4.61
Coker 201 .....	620 abcd	5.64	41.8	10.5	4.12
Stoneville 603 ....	613 abcd	5.80	39.7	10.7	4.70
Deltapine 25 .....	597 abcde	6.23	42.0	10.2	4.75
Deltapine 652 .....	584 abcde	5.74	42.7	9.5	4.31
Coker 202 .....	576 abcde	6.03	41.8	11.0	4.52
Lockett 4789A .....	543 bcde	6.16	37.5	12.5	4.47
Coker 310 .....	509 bcde	5.57	41.8	10.1	4.35
Stoneville 213 ....	489 cde	5.93	39.5	10.6	4.39
McNair 612 .....	450 de	5.81	41.2	10.4	4.66
Delcot 277 .....	412 e	5.99	38.4	11.5	3.74
Acala 1517-70 .....	168 f	4.65	35.0	11.2	3.53
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%		50%	R <sub>d</sub>	Hunter's b value	
McNair 511 .....	1.11	0.52	75.9	7.7	11.5
Coker 1104 .....	1.14	.52	75.5	7.5	11.6
Dixie King 3 .....	1.09	.50	76.6	7.7	11.6
Deltapine 16 .....	1.12	.53	76.9	7.1	11.2
Coker 201 .....	1.12	.52	76.0	7.5	10.7
Stoneville 603 ....	1.09	.50	75.9	7.7	11.4
Deltapine 25 .....	1.11	.54	75.7	7.8	10.9
Deltapine 652 .....	1.12	.54	76.9	7.6	11.9
Coker 202 .....	1.15	.54	75.0	7.6	10.9
Lockett 4789A .....	1.09	.53	74.5	7.9	11.0
Coker 310 .....	1.20	.55	75.7	7.3	12.1
Stoneville 213 ....	1.12	.52	75.8	8.0	11.2
McNair 612 .....	1.11	.52	72.1	7.4	10.2
Delcot 277 .....	1.18	.56	75.3	7.8	11.8
Acala 1517-70 .....	1.18	.55	75.1	7.0	14.3

Table 14.--Eastern test: Fiber data for Tifton, Ga.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
McNair 511 .....	1.15	0.97	47.3	23.7	10.5
Coker 1104 .....	1.17	.92	38.6	19.9	6.5
Dixie King 3 .....	1.16	.96	46.0	23.7	8.9
Deltapine 16 .....	1.16	.92	35.0	19.0	10.0
Coker 201 .....	1.15	.95	36.1	18.5	6.9
Stoneville 603 ....	1.17	.95	48.9	23.2	8.1
Deltapine 25 .....	1.12	.93	43.3	21.3	9.1
Deltapine 652 .....	1.19	1.00	47.9	24.0	10.8
Coker 202 .....	1.16	.97	35.9	18.0	7.4
Lockett 4789A .....	1.11	.92	36.3	18.6	7.2
Coker 310 .....	1.24	1.05	37.4	19.0	7.6
Stoneville 213 ....	1.16	.97	47.7	22.9	9.6
McNair 612 .....	1.16	.95	45.2	21.8	8.5
Delcot 277 .....	1.20	.98	35.3	19.0	10.3
Acala 1517-70 .....	1.19	.96	46.9	23.4	5.9



Table 15.--Eastern test: Yield, boll, and spinning data for Auburn, Ala.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
McNair 511 .....	666 a	5.35	39.9	10.9	4.93
Dixie King 3 .....	663 a	5.88	41.3	11.1	4.68
Stoneville 213 ....	653 a	5.72	40.9	11.3	5.11
Coker 201 .....	651 a	5.80	43.3	10.9	4.69
Coker 310 .....	651 a	5.80	43.3	10.9	4.81
McNair 612 .....	638 a	5.08	42.9	10.9	4.89
Delcot 277 .....	637 a	6.33	40.0	12.6	4.28
Deltapine 25 .....	634 a	5.43	42.2	11.6	5.03
Stoneville 603 ....	618 a	5.52	41.5	11.2	5.27
Deltapine 16 .....	616 a	5.46	41.2	10.8	4.79
Coker 202 .....	606 ab	5.37	43.0	10.5	5.03
Coker 1104 .....	594 ab	5.71	41.5	11.0	4.63
Deltapine 652 .....	538 bc	5.20	41.9	10.4	4.92
Lockett 4789A .....	480 cd	5.61	39.1	11.5	4.33
Acala 1517-70 .....	460 d	5.51	37.6	12.6	4.39
		Span length (inches)		Colorimeter	
		2.5%	50%	$R_d$	Hunter's b value
McNair 511 .....	1.05	0.50	72.8	8.1	11.0
Dixie King 3 .....	1.05	.48	70.6	7.2	10.5
Stoneville 213 ....	1.16	.54	72.1	7.5	11.1
Coker 201 .....	1.11	.52	70.5	7.7	10.3
Coker 310 .....	1.15	.53	70.8	7.7	10.6
McNair 612 .....	1.12	.53	70.7	7.6	11.0
Delcot 277 .....	1.14	.52	70.5	8.0	12.0
Deltapine 25 .....	1.15	.55	72.9	7.4	11.2
Stoneville 603 ....	1.13	.53	74.3	8.0	11.2
Deltapine 16 .....	1.11	.51	75.1	7.7	10.4
Coker 202 .....	1.08	.48	71.5	7.9	10.0
Coker 1104 .....	1.13	.50	70.0	7.5	10.4
Deltapine 652 .....	1.14	.53	73.8	8.2	11.3
Lockett 4789A .....	1.06	.48	71.1	7.5	10.8
Acala 1517-70 .....	1.18	.53	73.4	7.9	14.1

Table 16.--Eastern test: Fiber data for Auburn, Ala.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
McNair 511 .....	1.06	0.87	42.1	19.7	6.4
Dixie King 3 .....	1.05	.85	40.9	19.4	6.3
Stoneville 213 ....	1.14	.92	41.4	19.7	6.5
Coker 201 .....	1.10	.92	41.9	19.4	6.4
Coker 310 .....	1.15	.90	40.0	19.2	7.1
McNair 612 .....	1.13	.92	41.3	19.5	6.4
Delcot 277 .....	1.18	1.00	40.4	21.1	8.8
Deltapine 25 .....	1.17	.95	39.4	19.9	7.4
Stoneville 603 ....	1.14	.94	43.4	19.9	6.1
Deltapine 16 .....	1.12	.92	37.5	19.5	9.0
Coker 202 .....	1.08	.86	41.1	18.7	6.1
Coker 1104 .....	1.11	.87	41.8	19.4	5.8
Deltapine 652 .....	1.13	.92	40.2	19.2	7.2
Lockett 4789A .....	1.08	.88	41.0	19.8	6.6
Acala 1517-70 .....	1.19	.97	48.9	23.7	5.9



Table 17.--Eastern test: Yield, boll, and spinning data for Crossville, Ala.

Variety	Lint yield (lb/acre)	Boll size* (g/boll)	Lint percent	Seed index	Micronaire reading
Delcot 277 .....	638 a		38.9	10.5	3.09
McNair 511 .....	618 ab		41.3	8.9	3.63
Coker 1104 .....	564 abc		39.7	10.1	3.48
McNair 612 .....	529 bcd		40.0	10.1	3.65
Deltapine 16 .....	507 cde		39.0	10.2	3.49
Coker 201 .....	499 cde		40.4	10.4	3.69
Coker 202 .....	495 cde		39.4	9.9	3.48
Coker 310 .....	470 cdef		39.4	9.7	3.33
Dixie King 3 .....	437 def		39.3	10.9	3.74
Stoneville 213 ....	418 efg		38.5	10.3	3.58
Stoneville 603 ....	418 efg		39.4	10.8	3.64
Deltapine 25 .....	387 fg		38.8	10.5	3.57
Acala 1517-70 .....	387 fg		36.3	12.6	3.59
Lockett 4789A .....	384 fg		37.3	10.8	3.22
Deltapine 652 .....	329 g		41.0	10.0	3.32
		Span length (inches)		Colorimeter	
		2.5%	50%	$R_d$	Hunter's <i>b</i> value
Delcot 277 .....	1.20	0.53	76.4	7.8	12.6
McNair 511 .....	1.17	.56	76.4	7.5	12.8
Coker 1104 .....	1.24	.54	76.1	6.7	12.6
McNair 612 .....	1.24	.58	76.2	6.8	12.1
Deltapine 16 .....	1.19	.51	77.6	7.1	11.9
Coker 201 .....	1.18	.54	77.5	6.8	11.8
Coker 202 .....	1.18	.52	77.2	7.4	11.4
Coker 310 .....	1.24	.55	77.8	7.0	12.6
Dixie King 3 .....	1.19	.55	75.4	7.0	12.0
Stoneville 213 ....	1.20	.53	74.9	6.8	11.5
Stoneville 603 ....	1.19	.53	75.0	6.4	11.1
Deltapine 25 .....	1.18	.52	76.9	7.0	11.8
Acala 1517-70 .....	1.27	.56	75.0	6.8	14.2
Lockett 4789A .....	1.17	.52	77.8	7.2	11.6
Deltapine 652 .....	1.22	.54	76.4	6.9	11.7

\* Data Not Available.

Table 18.--Eastern test: Fiber data for Crossville, Ala.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Delcot 277 .....	1.23	1.00	36.8	19.5	10.8
McNair 511 .....	1.18	.98	38.1	19.8	9.4
Coker 1104 .....	1.24	.98	39.3	19.9	7.4
McNair 612 .....	1.23	.98	36.8	19.1	8.1
Deltapine 16 .....	1.21	.95	35.7	18.7	10.8
Coker 201 .....	1.20	.96	37.1	18.7	8.3
Coker 202 .....	1.17	.91	37.2	18.4	7.8
Coker 310 .....	1.26	.99	39.3	20.1	8.4
Dixie King 3 .....	1.17	.95	38.0	18.5	8.1
Stoneville 213 ....	1.15	.90	37.7	18.3	8.3
Stoneville 603 ....	1.17	.92	39.7	18.6	6.8
Deltapine 25 .....	1.19	.94	37.5	18.7	9.3
Acala 1517-70 .....	1.30	1.05	45.4	21.2	7.1
Lockett 4789A .....	1.18	.98	36.1	18.5	8.1
Deltapine 652 .....	1.19	.93	37.6	18.8	9.3



Table 19.--Eastern test: Yield, boll, and spinning data for Milan, Tenn.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Coker 1104 .....	377 a	6.30	37.6	10.9	3.91
Delcot 277 .....	376 a	6.50	36.4	11.2	3.33
Stoneville 213 ....	346 ab	5.96	35.4	11.2	3.77
Stoneville 603 ....	327 abc	6.15	35.1	11.0	3.79
Coker 310 .....	315 abcd	5.88	36.9	10.2	3.43
Deltapine 16 .....	312 abcd	5.91	35.4	10.6	3.42
Lockett 4789A .....	307 abcde	6.32	34.8	11.8	3.67
McNair 612 .....	280 abcdef	6.09	38.3	10.6	3.99
Coker 202 .....	279 abcdef	6.11	37.3	11.0	3.86
Deltapine 652 .....	270 bcdef	5.56	36.5	9.9	3.33
Coker 201 .....	245 cdef	5.96	37.2	10.5	3.63
McNair 511 .....	228 cdef	5.06	36.9	9.6	3.67
Dixie King 3 .....	215 def	6.56	37.2	10.5	3.56
Acala 1517-70 .....	210 ef	6.00	35.6	11.3	3.31
Deltapine 25 .....	185 f	5.24	35.3	10.3	3.39
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%		50%	$R_d$	Hunter's <i>b</i> value	
Coker 1104 .....	1.23	0.53	75.5	7.2	12.1
Delcot 277 .....	1.21	.53	74.1	8.6	12.4
Stoneville 213 ....	1.14	.49	75.2	7.6	11.6
Stoneville 603 ....	1.16	.54	74.6	7.9	11.4
Coker 310 .....	1.24	.54	74.7	8.1	12.6
Deltapine 16 .....	1.21	.52	74.1	8.1	11.8
Lockett 4789A .....	1.15	.53	76.6	7.2	11.7
McNair 612 .....	1.20	.55	74.6	7.6	11.6
Coker 202 .....	1.20	.53	74.5	7.6	12.2
Deltapine 652 .....	1.22	.54	73.5	8.2	11.3
Coker 201 .....	1.17	.52	74.7	7.6	12.2
McNair 511 .....	1.16	.54	73.7	8.2	12.9
Dixie King 3 .....	1.16	.51	75.0	8.0	12.6
Acala 1517-70 .....	1.20	.55	73.0	7.4	14.0
Deltapine 25 .....	1.19	.53	74.0	8.0	12.0

Table 20.--Eastern test: Fiber data for Milan, Tenn.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Coker 1104 .....	1.26	1.05	40.7	20.6	7.9
Delcot 277 .....	1.23	1.03	37.8	20.2	10.1
Stoneville 213 ....	1.20	.98	38.9	18.9	7.8
Stoneville 603 ....	1.17	.95	38.4	19.8	8.9
Coker 310 .....	1.28	.98	40.8	19.5	8.2
Deltapine 16 .....	1.25	.91	37.5	19.2	10.2
Lockett 4789A .....	1.21	.96	38.4	18.5	8.5
McNair 612 .....	1.21	.99	39.7	19.5	8.0
Coker 202 .....	1.24	1.03	40.3	19.7	8.0
Deltapine 652 ....	1.16	.95	39.4	18.9	8.5
Coker 201 .....	1.24	1.01	38.1	19.2	8.8
McNair 511 .....	1.18	.99	39.6	19.7	9.4
Dixie King 3 .....	1.17	.97	38.3	19.4	8.2
Acala 1517-70 .....	1.25	.96	46.4	22.7	6.7
Deltapine 25 .....	1.20	.99	41.4	19.3	8.4

Table 21.--Eastern test: Yield, boll, and spinning data for Jackson, Tenn.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Coker 1104 .....	334 a	6.67	37.5	11.5	3.78
Coker 310 .....	327 a	6.05	38.1	10.3	3.44
McNair 612 .....	326 a	6.18	38.8	10.5	3.78
Delcot 277 .....	298 ab	6.14	36.3	10.2	2.89
Lockett 4789A .....	287 abc	6.06	33.5	11.4	3.20
Coker 202 .....	275 abc	6.38	38.8	10.6	3.68
Deltapine 652 .....	248 abc	5.35	36.9	10.2	3.48
Stoneville 603 .....	248 abc	6.11	36.5	10.9	3.52
Dixie King 3 .....	212 bcd	6.29	37.6	10.0	3.28
Deltapine 16 .....	211 bcd	5.94	36.0	10.8	3.60
Stoneville 213 .....	205 bcd	5.56	36.0	10.7	3.47
Acala 1517-70 .....	186 cde	6.25	36.2	12.3	3.44
Deltapine 25 .....	142 de	5.85	38.1	10.0	3.50
Coker 201 .....	131 de	5.90	37.3	10.1	3.32
McNair 511 .....	99 e	4.65	37.2	9.6	3.42
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	$R_d$	Hunter's <i>b</i> value		
Coker 1104 .....	1.21	0.53	76.2	8.1	13.1
Coker 310 .....	1.24	.55	76.4	8.4	13.1
McNair 612 .....	1.18	.55	77.3	7.9	12.4
Delcot 277 .....	1.20	.53	76.8	8.9	12.9
Lockett 4789A .....	1.15	.51	77.2	8.7	11.4
Coker 202 .....	1.17	.53	75.8	8.3	11.4
Deltapine 652 .....	1.17	.53	76.6	8.0	12.3
Stoneville 603 .....	1.14	.50	74.3	8.7	12.1
Dixie King 3 .....	1.11	.51	76.1	8.7	12.4
Deltapine 16 .....	1.19	.54	77.8	8.2	12.3
Stoneville 213 .....	1.15	.51	74.8	8.9	12.3
Acala 1517-70 .....	1.21	.57	75.4	7.4	14.3
Deltapine 25 .....	1.17	.52	77.1	8.1	12.4
Coker 201 .....	1.17	.52	76.1	8.4	11.9
McNair 511 .....	1.11	.52	75.3	9.1	13.2



Table 22.--Eastern test: Fiber data for Jackson, Tenn.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Coker 1104 .....	1.28	1.04	48.6	25.1	8.8
Coker 310 .....	1.28	1.05	47.8	25.2	10.1
McNair 612 .....	1.27	.99	39.8	20.3	8.9
Delcot 277 .....	1.23	.96	45.4	23.9	13.1
Lockett 4789A .....	1.19	.96	44.1	22.3	10.7
Coker 202 .....	1.23	.97	45.3	23.1	9.8
Deltapine 652 .....	1.20	.93	47.4	24.1	10.5
Stoneville 603 .....	1.21	.95	40.1	20.5	9.2
Dixie King 3 .....	1.18	.93	41.0	20.2	8.6
Deltapine 16 .....	1.25	1.05	45.2	23.6	13.3
Stoneville 213 .....	1.22	.92	40.2	19.2	8.1
Acala 1517-70 .....	1.27	1.06	52.8	27.2	8.5
Deltapine 25 .....	1.20	.90	48.3	24.0	10.3
Coker 201 .....	1.23	1.02	46.3	23.8	10.2
McNair 511 .....	1.18	.92	46.3	24.9	11.8

# DELTA REGIONAL COTTON VARIETY TEST

Table 23.--Delta test: Yield, boll, and spinning data by cotton variety

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Stoneville 213 ....	752 a	5.71 de	38.4 de	11.6 c	4.60 a
Coker 312 .....	747 ab	5.44 f	40.6 a	10.9 ef	4.53 ab
Stoneville 256 ....	743 ab	5.57 ef	38.9 cd	10.9 ef	4.45 ab
Coker 310 .....	742 ab	5.60 ef	40.3 ab	10.9 ef	4.41 bc
Delcot 277 .....	738 ab	6.74 a	38.1 ef	12.5 b	4.11 e
Brycot 4 .....	733 ab	5.62 ef	38.4 de	11.1 def	4.47 ab
Deltapine 16 .....	729 ab	5.91 d	39.0 c	11.2 cde	4.52 ab
Deltapine 652 .....	720 abc	5.21 g	40.7 a	9.1 g	4.25 cde
Deltapine 25 .....	705 bc	5.47 f	39.9 b	10.7 f	4.61 a
Stoneville 603 ....	680 c	5.78 de	37.7 f	11.4 cd	4.41 bc
Acala 1517-70 .....	579 d	6.49 b	36.8 g	13.1 a	4.28 cd
Lockett 4789A .....	521 e	6.16 c	35.9 h	12.5 b	4.14 de
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	R <sub>a</sub>	Hunter's b value		
Stoneville 213 ....	1.16 e	0.52 cd	74.6 cde	6.9 c	11.6 f
Coker 312 .....	1.22 ab	.54 b	73.8 fg	7.0 bc	12.8 b
Stoneville 256 ....	1.16 de	.51 d	74.6 cde	6.9 c	11.7 ef
Coker 310 .....	1.22 a	.56 a	74.0 defg	7.1 b	12.6 b
Delcot 277 .....	1.21 ab	.57 a	73.6 g	7.4 a	12.8 b
Brycot 4 .....	1.16 de	.52 d	74.5 def	6.9 bc	11.5 f
Deltapine 16 .....	1.19 c	.54 bc	75.9 ab	6.9 bc	11.9 de
Deltapine 652 .....	1.16 de	.53 bcd	76.3 a	6.9 bc	12.1 cd
Deltapine 25 .....	1.17 d	.54 bc	75.3 bc	7.0 bc	12.4 c
Stoneville 603 ....	1.16 de	.52 cd	74.8 cd	6.8 c	11.7 ef
Acala 1517-70 .....	1.21 b	.57 a	73.8 efg	7.1 b	14.6 a
Lockett 4789A .....	1.14 f	.53 bcd	74.6 cde	7.1 b	11.8 ef

Table 24.--Delta test: Fiber data by cotton variety

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Stoneville 213 ....	1.18 d	0.95 c	40.9 de	19.3 e	6.6 e
Coker 312 .....	1.26 a	1.02 a	43.0 b	21.4 b	7.0 cd
Stoneville 256 ....	1.18 d	.94 c	43.4 b	19.5 e	6.0 f
Coker 310 .....	1.24 b	1.00 ab	43.3 b	21.3 b	6.7 de
Delcot 277 .....	1.24 b	1.02 a	40.3 e	20.5 c	8.9 a
Brycot 4 .....	1.18 d	.93 c	43.6 b	19.3 e	6.0 f
Deltapine 16 .....	1.21 c	.98 b	39.5 f	20.1 cd	9.0 a
Deltapine 652 .....	1.18 d	.94 c	41.7 cd	20.0 d	7.4 b
Deltapine 25 .....	1.21 c	.98 b	42.2 c	20.5 c	7.4 b
Stoneville 603 ....	1.18 d	.95 c	41.8 c	19.8 de	6.9 cd
Acala 1517-70 .....	1.24 b	1.02 a	49.8 a	23.9 a	5.9 f
Lockett 4789A .....	1.17 d	.95 c	40.4 e	19.3 e	7.0 c

Table 25.--Delta test: Yield, boll, and spinning data by test location

Location	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Stoneville, Miss. .	970 a	5.94 b	39.0 bc	11.4 b	4.32 bc
Portageville, Mo. .	899 a	6.61 a	38.8 c	12.7 a	4.28 bc
Rohwer, Ark. ....	739 b	5.28 c	40.3 a	10.1 c	4.36 bc
St. Joseph, La. ...	730 b	6.08 b	39.6 abc	11.4 b	4.46 b
Tunica, Miss. ....	664 b	5.44 c	37.1 d	11.4 b	4.24 bc
Ridgley, Tenn. ....	493 c	5.86 b	39.7 ab	12.3 a	5.11 a
Clarkedale, Ark. ..	358 d	5.46 c	36.5 d	10.4 c	4.02 c
	Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)
	2.5%	50%	R <sub>d</sub>	Hunter's b value	
Stoneville, Miss. .	1.17 c	0.54 b	71.6 d	6.8 c	12.4 c
Portageville, Mo. .	1.18 bc	.50 c	71.5 d	6.9 c	11.6 e
Rohwer, Ark. ....	1.15 d	.53 b	76.6 ab	7.4 b	12.7 b
St. Joseph, La. ...	1.17 c	.53 b	73.2 c	6.1 d	11.9 d
Tunica, Miss. ....	1.22 a	.58 a	77.5 a	7.1 c	13.1 a
Ridgley, Tenn. ....	1.17 c	.54 b	75.8 b	7.7 a	11.9 d
Clarkedale, Ark. ..	1.19 b	.53 b	76.4 b	7.0 c	12.5 bc



Table 26.--Delta test: Fiber data by test location

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Stoneville, Miss. .	1.18 b	0.96 a	43.6 ab	21.2 a	6.7 c
Portageville, Mo. .	1.22 ab	.98 a	41.8 c	20.3 bc	7.4 a
Rohwer, Ark. ....	1.19 b	.97 a	42.6 bc	20.1 c	7.3 a
St. Joseph, La. ...	1.20 b	.97 a	39.8 d	19.3 d	7.1 ab
Tunica, Miss. ....	1.24 a	1.00 a	43.9 a	20.7 ab	6.9 bc
Ridgley, Tenn. ....	1.20 ab	.97 a	43.6 ab	20.6 bc	6.8 bc
Clarkedale, Ark. ..	1.21 ab	.96 a	42.2 c	20.5 bc	7.4 a

Table 27.--Delta test: Yield, boll, and spinning data for Stoneville, Miss.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Coker 310 .....	1081 a	5.70	40.6	11.2	4.47
Deltapine 652 .....	1071 a	5.64	41.0	10.1	4.10
Coker 312 .....	1058 a	5.81	40.6	11.1	4.63
Stoneville 213 ....	1054 a	5.84	39.9	11.1	4.49
Brycot 4 .....	1020 ab	5.58	39.4	11.2	4.38
Deltapine 25 .....	1014 abc	5.73	40.3	10.9	4.72
Stoneville 256 ....	977 bc	5.71	38.9	11.0	4.31
Deltapine 16 .....	976 bc	6.34	38.9	11.5	4.47
Delcot 277 .....	952 c	6.83	38.7	12.2	4.05
Lockett 4789A .....	863 d	6.50	36.4	12.5	4.21
Acala 1517-70 .....	789 e	5.84	36.5	12.3	4.06
Stoneville 603 ....	789 e	5.77	37.4	11.5	3.99
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%                      50%		$R_d$	Hunter's <i>b</i> value		
Coker 310 .....	1.19                      0.55	70.5	6.8	12.6	
Deltapine 652 .....	1.15                      .54	75.0	6.9	12.5	
Coker 312 .....	1.22                      .56	69.2	6.6	12.7	
Stoneville 213 ....	1.15                      .52	70.5	6.3	11.8	
Brycot 4 .....	1.15                      .54	70.6	6.6	11.7	
Deltapine 25 .....	1.17                      .55	72.2	7.0	12.5	
Stoneville 256 ....	1.16                      .52	73.1	6.5	12.0	
Deltapine 16 .....	1.17                      .56	74.1	6.9	12.3	
Delcot 277 .....	1.20                      .57	69.7	7.5	12.8	
Lockett 4789A .....	1.11                      .52	71.4	7.4	11.7	
Acala 1517-70 .....	1.21                      .56	70.9	6.9	14.4	
Stoneville 603 ....	1.17                      .54	72.5	7.1	11.8	

Table 28.--Delta test: Fiber data for Stoneville, Miss.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)	$E_1$ (percent)
Coker 310 .....	1.22	1.00	42.7	21.5	6.5
Deltapine 652 .....	1.18	.94	42.5	21.2	7.2
Coker 312 .....	1.24	1.02	45.4	22.1	6.1
Stoneville 213 ....	1.17	.98	40.2	19.4	6.1
Brycot 4 .....	1.17	.90	45.3	20.5	5.6
Deltapine 25 .....	1.18	.97	44.0	21.5	7.3
Stoneville 256 ....	1.18	.94	46.0	21.0	6.0
Deltapine 16 .....	1.20	1.00	39.5	21.2	8.8
Delcot 277 .....	1.21	.98	42.6	21.8	8.4
Lockett 4789A .....	1.14	.94	42.0	19.5	6.1
Acala 1517-70 .....	1.20	.95	51.6	25.0	5.4
Stoneville 603 ....	1.15	.94	41.5	20.2	6.9

Table 29.--Delta test: Yield, boll, and spinning data for Portageville, Mo.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Delcot 277 .....	1026 a	7.25	38.1	13.8	3.96
Coker 312 .....	1019 a	6.01	40.5	12.2	4.60
Coker 310 .....	1002 ab	6.50	41.8	12.2	4.49
Brycot 4 .....	946 abc	6.80	37.9	12.2	4.34
Stoneville 603 ....	918 abc	6.55	37.7	12.2	4.20
Stoneville 213 ....	910 abc	6.30	38.7	12.4	4.30
Stoneville 256 ....	908 abc	6.40	38.4	12.6	4.29
Lockett 4789A .....	871 bcd	7.05	36.4	14.6	4.10
Deltapine 652 .....	840 cd	5.95	40.2	11.2	4.19
Deltapine 16 .....	834 cd	6.80	38.2	13.2	4.36
Acala 1517-70 .....	770 d	7.60	38.1	14.4	4.26
Deltapine 25 .....	745 d	6.05	39.8	11.6	4.27
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	R <sub>d</sub>	Hunter's b value		
Delcot 277 .....	1.23	0.54	71.3	7.2	12.0
Coker 312 .....	1.20	.50	70.0	7.0	12.2
Coker 310 .....	1.21	.51	70.0	7.5	11.6
Brycot 4 .....	1.17	.49	71.0	6.9	11.1
Stoneville 603 ....	1.18	.50	72.5	6.6	11.4
Stoneville 213 ....	1.15	.49	72.1	6.7	10.8
Stoneville 256 ....	1.16	.50	72.3	6.8	11.2
Lockett 4789A .....	1.13	.49	71.7	7.2	10.8
Deltapine 652 .....	1.14	.48	73.2	7.0	11.2
Deltapine 16 .....	1.17	.50	72.4	6.9	10.9
Acala 1517-70 .....	1.23	.57	70.1	7.1	14.2
Deltapine 25 .....	1.20	.50	71.8	6.8	11.5

Table 30.--Delta test: Fiber data for Portageville, Mo.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Delcot 277 .....	1.25	1.03	39.8	20.6	9.3
Coker 312 .....	1.28	1.04	43.2	20.7	7.3
Coker 310 .....	1.23	.98	42.5	21.4	7.0
Brycot 4 .....	1.19	.95	42.4	19.5	6.6
Stoneville 603 ....	1.20	.94	42.6	20.2	6.5
Stoneville 213 ....	1.20	.95	41.5	19.7	7.3
Stoneville 256 ....	1.20	.94	42.4	19.8	6.4
Lockett 4789A .....	1.19	.99	38.8	18.8	7.2
Deltapine 652 .....	1.18	.95	40.9	19.6	8.1
Deltapine 16 .....	1.22	1.00	37.8	19.9	9.2
Acala 1517-70 .....	1.28	1.06	48.5	23.6	6.6
Deltapine 25 .....	1.23	.99	41.0	20.3	8.0



Table 31.--Delta test: Yield, boll, and spinning data for St. Joseph, La.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Coker 312 .....	907 a	5.55	41.6	10.7	4.59
Stoneville 603 ....	877 a	6.19	38.3	11.7	4.26
Deltapine 652 .....	846 ab	4.84	42.0	10.0	4.33
Deltapine 25 .....	832 ab	5.50	42.6	10.3	4.73
Coker 310 .....	823 ab	5.79	41.8	10.2	4.50
Deltapine 16 .....	819 ab	6.26	40.5	10.7	4.59
Brycot 4 .....	773 ab	6.27	38.8	11.4	4.62
Stoneville 256 ....	727 b	5.69	39.3	11.1	4.53
Delcot 277 .....	726 b	8.01	39.1	12.4	4.29
Stoneville 213 ....	706 b	5.66	36.5	12.8	4.55
Lockett 4789A .....	404 c	5.66	36.5	12.8	4.34
Acala 1517-70 .....	315 c	7.54	38.9	12.8	4.20
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%		50%	R <sub>d</sub>	Hunter's b value	
Coker 312 .....	1.20	0.54	73.4	6.0	12.4
Stoneville 603 ....	1.14	.53	72.1	5.7	11.3
Deltapine 652 .....	1.16	.52	75.2	6.3	11.9
Deltapine 25 .....	1.15	.54	74.6	6.2	12.1
Coker 310 .....	1.20	.54	73.3	6.2	12.1
Deltapine 16 .....	1.20	.54	75.5	6.0	11.1
Brycot 4 .....	1.17	.54	73.0	5.7	11.6
Stoneville 256 ....	1.18	.52	68.9	5.6	11.8
Delcot 277 .....	1.19	.57	73.1	6.8	12.3
Stoneville 213 ....	1.15	.53	72.4	5.7	11.0
Lockett 4789A .....	1.14	.53	72.9	6.6	11.5
Acala 1517-70 .....	1.15	.54	74.7	6.4	13.5

Table 32.--Delta test: Fiber data for St. Joseph, La.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Coker 312 .....	1.24	1.00	41.0	20.2	6.7
Stoneville 603 ....	1.17	.95	37.9	19.0	7.9
Deltapine 652 .....	1.20	.96	38.4	18.9	7.7
Deltapine 25 .....	1.19	.99	39.4	19.4	7.2
Coker 310 .....	1.23	.99	42.1	20.3	6.4
Deltapine 16 .....	1.19	.97	37.1	18.8	8.9
Brycot 4 .....	1.20	.96	41.1	18.3	6.1
Stoneville 256 ....	1.20	.96	40.7	19.3	6.0
Delcot 277 .....	1.23	1.02	37.9	19.6	8.5
Stoneville 213 ....	1.16	.95	38.8	18.1	6.4
Lockett 4789A .....	1.18	.97	38.9	18.8	7.1
Acala 1517-70 .....	1.20	1.00	44.9	21.0	6.3

Table 33.--Delta test: Yield, boll, and spinning data for Rohwer, Ark.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Brycot 4 .....	865 a	5.29	39.6	10.1	4.53
Deltapine 16 .....	794 ab	5.19	41.2	9.7	4.56
Stoneville 256 ....	789 ab	5.08	40.0	10.1	4.39
Stoneville 603 ....	789 ab	5.03	41.2	9.6	4.52
Coker 310 .....	781 ab	5.41	41.7	9.7	4.18
Stoneville 213 ....	772 ab	5.35	39.3	10.8	4.80
Coker 312 .....	772 ab	5.06	44.0	9.1	4.35
Deltapine 25 .....	747 b	4.70	40.9	9.8	4.57
Deltapine 652 .....	728 b	4.78	42.4	8.6	4.11
Delcot 277 .....	699 b	5.46	39.6	10.8	4.19
Lockett 4789A .....	579 c	6.32	35.3	12.0	3.82
Acala 1517-70 .....	550 c	5.77	38.3	11.5	4.32
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%		50%	R <sub>d</sub>	Hunter's b value	
Brycot 4 .....	1.13	0.50	76.3	7.5	11.4
Deltapine 16 .....	1.18	.57	76.8	7.6	12.7
Stoneville 256 ....	1.13	.50	78.1	7.4	12.1
Stoneville 603 ....	1.13	.50	76.1	7.2	11.9
Coker 310 .....	1.23	.57	77.1	7.5	13.7
Stoneville 213 ....	1.12	.52	76.7	7.7	12.3
Coker 312 .....	1.20	.54	76.2	7.3	13.5
Deltapine 25 .....	1.16	.54	76.9	7.7	12.7
Deltapine 652 .....	1.13	.50	77.7	7.2	12.5
Delcot 277 .....	1.18	.56	76.2	7.6	13.0
Lockett 4789A .....	1.11	.53	75.9	6.8	11.9
Acala 1517-70 .....	1.17	.58	74.9	7.7	15.1

Table 34.--Delta test: Fiber data for Rohwer, Ark.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Brycot 4 .....	1.19	0.97	43.1	18.6	5.9
Deltapine 16 .....	1.19	.98	40.1	20.3	9.5
Stoneville 256 ....	1.17	.96	43.8	19.1	6.1
Stoneville 603 ....	1.17	.95	43.0	19.1	5.9
Coker 310 .....	1.22	1.01	43.5	21.4	7.2
Stoneville 213 ....	1.16	.94	40.6	19.3	7.6
Coker 312 .....	1.23	1.01	42.9	22.3	8.4
Deltapine 25 .....	1.21	.99	42.5	20.3	7.4
Deltapine 652 .....	1.16	.93	42.5	20.4	7.4
Delcot 277 .....	1.20	.99	40.2	19.5	8.4
Lockett 4789A .....	1.16	.99	38.7	18.4	7.7
Acala 1517-70 .....	1.21	1.01	50.3	23.2	6.2

Table 35.--Delta test: Yield, boll, and spinning data for Tunica, Miss.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Stoneville 256 ....	790 a	5.53	38.4	11.2	4.62
Stoneville 213 ....	753 ab	5.49	37.3	11.2	4.44
Delcot 277 .....	723 ab	6.23	37.0	12.5	3.85
Brycot 4 .....	723 ab	5.28	36.6	11.5	4.60
Deltapine 652 .....	716 ab	4.93	39.3	9.9	4.24
Coker 310 .....	686 ab	5.02	38.1	10.8	4.03
Deltapine 16 .....	681 ab	5.35	37.6	10.7	4.30
Deltapine 25 .....	646 bc	4.91	38.5	10.5	4.30
Coker 312 .....	637 bc	4.90	38.6	10.6	4.23
Acala 1517-70 .....	637 bc	6.04	34.3	13.6	4.12
Stoneville 603 ....	542 cd	5.73	35.3	11.8	4.27
Lockett 4789A .....	427 d	5.94	34.4	12.2	3.94
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%		50%	$R_d$	Hunter's <i>b</i> value	
Stoneville 256 ....	1.21	0.56	78.6	7.1	12.0
Stoneville 213 ....	1.23	.58	77.3	6.8	12.1
Delcot 277 .....	1.25	.61	76.4	7.4	14.1
Brycot 4 .....	1.21	.57	77.6	7.0	12.4
Deltapine 652 .....	1.22	.57	78.0	7.1	12.6
Coker 310 .....	1.30	.63	76.9	7.2	13.7
Deltapine 16 .....	1.21	.54	79.1	6.9	12.4
Deltapine 25 .....	1.22	.59	78.4	7.1	13.6
Coker 312 .....	1.24	.56	76.4	7.1	13.6
Acala 1517-70 .....	1.27	.62	76.8	7.0	15.7
Stoneville 603 ....	1.17	.55	77.1	7.1	12.3
Lockett 4789A .....	1.19	.57	77.3	7.1	13.1

Table 36.--Delta test: Fiber data for Tunica, Miss.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)	$E_1$ (percent)
Stoneville 256 ....	1.20	0.95	44.0	18.9	5.8
Stoneville 213 ....	1.22	.97	42.4	19.6	6.2
Delcot 277 .....	1.28	1.07	41.7	21.1	9.5
Brycot 4 .....	1.21	.94	45.6	19.8	5.7
Deltapine 652 .....	1.19	.94	43.5	20.1	7.0
Coker 310 .....	1.31	1.08	43.6	21.6	6.9
Deltapine 16 .....	1.24	1.00	41.9	20.3	8.5
Deltapine 25 .....	1.25	1.02	43.4	20.7	7.1
Coker 312 .....	1.28	1.03	44.1	22.3	6.2
Acala 1517-70 .....	1.29	1.06	52.7	24.7	5.5
Stoneville 603 ....	1.20	.95	42.6	19.9	7.4
Lockett 4789A .....	1.20	.97	41.6	20.0	7.0



Table 37.--Delta test: Yield, boll, and spinning data for Ridgley, Tenn.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Stoneville 213 ....	587 a	5.88	40.3	12.2	5.35
Stoneville 256 ....	584 a	5.72	40.1	11.6	5.34
Delcot 277 .....	548 ab	6.81	38.9	13.8	4.64
Coker 312 .....	541 ab	5.79	41.6	12.8	5.39
Stoneville 603 ....	539 ab	5.96	38.2	12.5	5.11
Brycot 4 .....	533 abc	5.58	39.7	12.1	5.12
Deltapine 25 .....	474 bcd	5.49	41.2	11.4	5.11
Coker 310 .....	470 bcd	5.69	41.4	12.0	5.18
Deltapine 16 .....	468 bcd	6.03	39.5	12.4	5.18
Deltapine 652 .....	448 cd	5.64	41.7	10.8	5.20
Acala 1517-70 .....	412 d	6.05	36.4	14.2	4.83
Lockett 4789A .....	314 e	5.65	38.3	12.5	4.93
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%		50%	R <sub>d</sub>	Hunter's b value	
Stoneville 213 ....	1.13	0.51	76.8	7.7	11.4
Stoneville 256 ....	1.15	.52	75.8	7.9	10.8
Delcot 277 .....	1.21	.56	73.1	8.1	12.7
Coker 312 .....	1.25	.56	74.4	7.7	12.6
Stoneville 603 ....	1.15	.53	76.9	7.4	11.6
Brycot 4 .....	1.16	.53	76.1	8.0	10.9
Deltapine 25 .....	1.15	.55	77.0	7.7	11.7
Coker 310 .....	1.21	.56	74.8	7.8	11.8
Deltapine 16 .....	1.18	.55	76.8	7.2	11.8
Deltapine 652 .....	1.14	.55	77.4	7.4	11.8
Acala 1517-70 .....	1.20	.59	74.5	7.7	14.7
Lockett 4789A .....	1.15	.55	76.8	7.6	11.6

Table 38.--Delta test: Fiber data for Ridgley, Tenn.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Stoneville 213 ....	1.18	0.95	42.5	19.7	6.3
Stoneville 256 ....	1.18	.95	44.0	19.5	5.7
Delcot 277 .....	1.26	1.05	41.0	20.8	8.9
Coker 312 .....	1.28	1.03	44.8	21.4	6.1
Stoneville 603 ....	1.18	.96	41.0	20.4	8.0
Brycot 4 .....	1.17	.93	44.7	19.1	5.9
Deltapine 25 .....	1.20	.95	44.1	20.8	7.3
Coker 310 .....	1.24	.99	44.5	20.8	6.3
Deltapine 16 .....	1.20	.98	40.7	20.1	8.2
Deltapine 652 .....	1.18	.97	42.6	20.1	6.8
Acala 1517-70 .....	1.24	1.02	50.7	24.8	5.5
Lockett 4789A .....	1.16	.91	42.9	20.4	6.4

Table 39.--Delta test: Yield, boll, and spinning data for Clarkedale, Ark.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Acala 1517-70 .....	563 a	6.64	35.6	13.0	4.20
Deltapine 16 .....	560 a	5.42	37.5	10.2	4.17
Delcot 277 .....	481 ab	6.58	35.5	11.9	3.78
Deltapine 25 .....	414 abc	5.95	36.4	10.3	4.57
Stoneville 603 ....	407 abc	5.25	36.1	10.4	4.57
Stoneville 213 ....	360 bcd	5.47	36.7	10.8	4.30
Coker 310 .....	315 bcd	5.12	36.9	10.2	4.03
Stoneville 256 ....	311 bcd	4.88	37.0	9.1	3.66
Deltapine 652 .....	276 cd	4.72	38.7	9.0	3.61
Coker 312 .....	247 cd	4.95	37.3	10.0	3.93
Lockett 4789A .....	184 d	6.02	33.9	11.3	3.68
Brycot 4 .....	178 d	4.54	36.6	9.2	3.73
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	$R_d$	Hunter's b value		
Acala 1517-70 .....	1.22	0.56	75.1	7.2	15.1
Deltapine 16 .....	1.22	.54	77.0	6.9	12.4
Delcot 277 .....	1.23	.57	75.5	7.5	13.2
Deltapine 25 .....	1.17	.52	76.4	7.0	12.6
Stoneville 603 ....	1.19	.52	76.9	6.7	11.5
Stoneville 213 ....	1.18	.53	76.4	7.2	11.8
Coker 310 .....	1.24	.57	75.8	7.0	13.2
Stoneville 256 ....	1.16	.50	75.8	6.9	11.9
Deltapine 652 .....	1.19	.54	77.6	6.8	12.6
Coker 312 .....	1.24	.55	76.9	7.2	12.8
Lockett 4789A .....	1.14	.52	76.6	7.3	12.1
Brycot 4 .....	1.14	.49	76.9	6.9	11.5

Table 40.--Delta test: Fiber data for Clarkedale, Ark.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)	$E_1$ (percent)
Acala 1517-70 .....	1.27	1.05	49.9	25.0	5.8
Deltapine 16 .....	1.22	.96	39.9	20.7	9.7
Delcot 277 .....	1.24	1.00	39.2	20.5	9.5
Deltapine 25 .....	1.22	.98	41.2	20.8	8.0
Stoneville 603 ....	1.20	.95	44.0	19.9	5.8
Stoneville 213 ....	1.21	.94	40.9	19.6	6.7
Coker 310 .....	1.24	.99	44.2	22.0	7.0
Stoneville 256 ....	1.17	.88	43.1	19.0	6.4
Deltapine 652 .....	1.18	.91	41.5	19.5	7.5
Coker 312 .....	1.27	1.02	40.0	20.8	8.1
Lockett 4789A .....	1.15	.91	40.1	19.6	7.6
Brycot 4 .....	1.16	.89	42.9	19.4	6.5

**CENTRAL REGIONAL COTTON VARIETY TEST**

Table 41.--Central test: Yield, boll, and spinning data by cotton variety

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Tamcot Sp-37 .....	950 a	5.95 b	37.6 cd	11.5 c	4.03 f
Stoneville 7A .....	898 ab	5.48 e	38.2 b	10.7 e	4.89 a
Deltapine 16 .....	858 bc	5.75 cd	38.0 bc	10.7 e	4.75 b
Stoneville 213 ....	833 bc	5.65 d	37.7 bc	11.1 d	4.88 a
Coker 310 .....	817 c	5.72 cd	39.0 a	10.9 de	4.61 c
TPSA 110 .....	797 c	6.36 a	37.1 d	12.5 a	4.70 bc
Acala 1517-70 .....	727 d	5.79 c	36.1 e	11.8 b	4.25 e
Lockett 4789A .....	650 e	6.32 a	35.5 e	12.3 a	4.46 d
		Span length (inches)		Colorimeter	
		2.5%	50%	$R_d$	Hunter's b value
Tamcot Sp-37 .....	1.14 c		0.51 c	73.7 ab	7.0 c
Stoneville 7A .....	1.16 bc		.55 b	71.6 de	7.3 b
Deltapine 16 .....	1.17 b		.55 b	73.8 a	7.3 ab
Stoneville 213 ....	1.14 c		.54 b	71.3 e	7.6 a
Coker 310 .....	1.22 a		.56 ab	72.5 cd	7.4 ab
TPSA 110 .....	1.17 b		.54 b	71.3 e	7.6 ab
Acala 1517-70 .....	1.21 a		.58 a	72.8 bc	7.5 ab
Lockett 4789A .....	1.15 bc		.55 b	72.1 cde	7.4 ab

Table 42.--Central test: Fiber data by cotton variety

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Tamcot Sp-37 .....	1.15 f	0.94 d	36.7 e	18.1 d	7.3 b
Stoneville 7A .....	1.20 cd	.98 bc	42.5 b	19.4 c	5.7 d
Deltapine 16 .....	1.21 cd	1.00 ab	37.4 e	19.3 c	8.2 a
Stoneville 213 ....	1.19 de	.99 bc	40.6 d	19.2 c	6.4 c
Coker 310 .....	1.26 a	1.03 a	41.1 cd	20.1 b	6.2 c
TPSA 110 .....	1.18 de	.96 cd	41.8 bc	18.9 c	5.6 d
Acala 1517-70 .....	1.23 b	1.03 a	49.8 a	23.9 a	5.4 d
Lockett 4789A .....	1.18 e	.99 bc	40.0 d	19.4 c	6.4 c



Table 43.--Central test: Yield, boll, and spinning data by test location

Location	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
College Station, Tex. ....	1064 a	5.93 b	37.3 a	11.3 b	4.28 c
Weslaco, Tex. ...	934 b	5.61 c	37.4 a	10.8 c	4.97 a
Nueces County, Tex. ....	620 c	5.54 c	36.8 a	11.4 b	4.56 b
Bossier City, La.	573 c	6.43 a	38.0 a	12.3 a	4.48 b
	Span length (inches)		Colorimeter		Yarn tenacity
	2.5%	50%	$R_d$	Hunter's b value	(cN/tex)
College Station, Tex. ....	1.16 b	0.50 c	65.2 d	6.3 d	11.0 c
Weslaco, Tex. ...	1.17 b	.56 ab	75.5 b	8.2 a	12.6 ab
Nueces County, Tex. ....	1.15 b	.54 b	72.2 c	7.9 b	12.2 b
Bossier City, La.	1.21 a	.58 a	76.5 a	7.2 a	12.7 a

Table 44.--Central test: Fiber data by test location

Location	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
College Station, Tex. ....	1.17 c	0.92 c	41.0 ab	19.1 c	6.2 b
Weslaco, Tex. ...	1.21 b	1.02 a	42.0 a	20.5 a	6.3 b
Nueces County, Tex. ....	1.18 c	.98 b	40.8 b	19.7 b	6.7 a
Bossier City, La.	1.24 a	1.02 a	41.2 ab	19.8 b	6.4 b

Table 45.--Central test: Yield, boll, and spinning data for College Station, Tex.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Tamcot Sp-37 .....	1229 a	6.40	37.2	11.8	3.82
Stoneville 7A .....	1143 ab	5.44	38.1	10.9	4.68
Stoneville 213 .....	1132 ab	5.86	38.2	11.1	4.51
Deltapine 16 .....	1123 ab	5.33	38.2	10.8	4.45
Coker 310 .....	1070 b	6.00	39.0	11.0	4.24
TPSA 110 .....	1056 b	6.23	37.2	12.0	4.30
Lockett 4789A .....	899 c	6.65	34.9	12.1	4.25
Acala 1517-70 .....	857 c	5.55	36.1	11.3	3.98
		Span length (inches)		Colorimeter	
		2.5%	50%	$R_d$	Hunter's <i>b</i> value
Tamcot Sp-37 .....	1.14		0.48	67.3	6.0
Stoneville 7A .....	1.18		.52	64.6	5.7
Stoneville 213 .....	1.16		.50	63.9	6.0
Deltapine 16 .....	1.17		.49	67.8	6.2
Coker 310 .....	1.19		.51	64.2	6.8
TPSA 110 .....	1.16		.49	64.9	6.7
Lockett 4789A .....	1.15		.51	63.0	6.4
Acala 1517-70 .....	1.19		.55	65.9	6.3

Table 46.--Central test: Fiber data for College Station, Tex.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)	$E_1$ (percent)
Tamcot Sp-37 .....	1.14	0.90	36.8	17.9	7.3
Stoneville 7A .....	1.20	.96	42.6	19.6	5.9
Stoneville 213 .....	1.16	.93	41.4	18.7	6.2
Deltapine 16 .....	1.19	.94	35.9	18.6	7.8
Coker 310 .....	1.17	.86	42.5	18.7	5.7
TPSA 110 .....	1.17	.93	40.6	18.2	5.4
Lockett 4789A .....	1.16	.94	38.6	17.8	6.1
Acala 1517-70 .....	1.17	.92	49.9	23.6	5.3

Table 47.--Central test: Yield, boll, and spinning data for Weslaco, Tex.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Stoneville 7A .....	1078 a	5.30	37.9	10.1	5.28
Tamcot Sp-37 .....	974 ab	5.50	37.4	11.0	4.20
TPSA 110 .....	965 ab	6.20	37.7	12.0	5.08
Stoneville 213 ....	961 ab	5.10	37.0	10.0	5.37
Coker 310 .....	906 bc	5.50	39.0	10.4	5.27
Deltapine 16 .....	901 bc	5.90	37.9	10.0	5.35
Acala 1517-70 .....	880 bc	5.30	36.8	11.2	4.48
Lockett 4789A .....	807 c	6.10	35.4	11.9	4.73
	Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)
	2.5%	50%	$R_d$	Hunter's <i>b</i> value	
Stoneville 7A .....	1.16	0.58	75.3	8.5	12.4
Tamcot Sp-37 .....	1.16	.54	76.6	7.6	11.3
TPSA 110 .....	1.17	.56	76.2	8.2	12.1
Stoneville 213 ....	1.14	.56	75.6	8.5	12.3
Coker 310 .....	1.20	.54	73.3	8.5	13.1
Deltapine 16 .....	1.18	.59	77.7	7.9	12.0
Acala 1517-70 .....	1.21	.59	74.4	8.7	15.5
Lockett 4789A .....	1.14	.56	74.9	8.2	12.4

Table 48.--Central test: Fiber data for Weslaco, Tex.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)	$E_1$ (percent)
Stoneville 7A .....	1.23	1.05	43.1	20.3	5.5
Tamcot Sp-37 .....	1.16	.96	37.8	19.0	7.2
TPSA 110 .....	1.18	.98	42.2	18.7	5.6
Stoneville 213 ....	1.22	1.03	42.9	20.3	5.7
Coker 310 .....	1.27	1.09	41.1	21.0	6.3
Deltapine 16 .....	1.22	1.06	38.6	20.6	8.4
Acala 1517-70 .....	1.23	1.02	49.9	24.3	5.5
Lockett 4789A .....	1.19	1.03	40.6	20.0	6.4



Table 49.--Central test: Yield, boll, and spinning data for Nueces County, Tex.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Tamcot Sp-37 .....	910 a	5.54	37.6	11.4	4.28
Deltapine 16 .....	655 b	5.45	36.8	11.0	4.76
Stoneville 7A .....	620 bc	5.10	37.6	10.4	4.74
Coker 310 .....	601 bc	5.19	38.2	10.6	4.48
TPSA 110 .....	580 bc	6.18	36.4	12.4	4.65
Acala 1517-70 .....	554 bc	5.56	35.2	11.6	4.28
Stoneville 213 .....	524 c	5.41	37.2	11.5	4.86
Lockett 4789A .....	511 c	5.89	35.4	12.2	4.43
		Span length (inches)		Colorimeter	
		2.5%	50%	$R_d$	Hunter's b value
Tamcot Sp-37 .....	1.10		0.48	72.4	7.4
Deltapine 16 .....	1.12		.52	71.0	8.2
Stoneville 7A .....	1.12		.52	69.8	8.3
Coker 310 .....	1.26		.59	76.2	7.2
TPSA 110 .....	1.15		.54	69.1	8.0
Acala 1517-70 .....	1.23		.60	75.5	7.5
Stoneville 213 .....	1.09		.52	68.6	8.9
Lockett 4789A .....	1.17		.58	75.2	7.5

Table 50.--Central test: Fiber data for Nueces County, Tex.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Tamcot Sp-37 .....	1.13	0.93	36.9	17.9	7.4
Deltapine 16 .....	1.19	.99	37.0	18.9	9.1
Stoneville 7A .....	1.13	.91	41.8	19.1	5.7
Coker 310 .....	1.30	1.09	40.5	20.4	6.5
TPSA 110 .....	1.14	.91	42.5	19.1	5.4
Acala 1517-70 .....	1.26	1.08	49.7	24.0	5.4
Stoneville 213 .....	1.14	.95	37.5	18.6	7.7
Lockett 4789A .....	1.19	.99	40.5	19.9	6.6

Table 51.--Central test: Yield, boll, and spinning data for Bossier City, La.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Stoneville 7A .....	698 a	6.11	39.2	11.5	4.86
Deltapine 16 .....	671 a	6.33	39.0	11.2	4.43
Stoneville 213 ....	644 a	6.21	38.5	12.0	4.78
Coker 310 .....	618 a	6.20	39.8	11.6	4.48
Acala 1517-70 .....	594 a	6.76	36.2	13.2	4.28
Tamcot Sp-37 .....	556 a	6.36	38.1	11.9	3.82
TPSA 110 .....	510 a	6.85	37.2	13.6	4.78
Lockett 4789A .....	294 b	6.64	36.4	13.2	4.43
		Span length (inches)		Colorimeter	
		2.5%	50%	$R_d$	Hunter's <i>b</i> value
Stoneville 7A .....	1.20		0.58	76.7	6.7
Deltapine 16 .....	1.24		.60	78.9	7.1
Stoneville 213 ....	1.19		.60	77.0	7.1
Coker 310 .....	1.26		.59	76.2	7.2
Acala 1517-70 .....	1.23		.60	75.5	7.5
Tamcot Sp-37 .....	1.17		.54	78.4	6.9
TPSA 110 .....	1.22		.58	74.9	7.4
Lockett 4789A .....	1.17		.58	75.2	7.5

Table 52.--Central test: Fiber data for Bossier City, La.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)	$E_1$ (percent)
Stoneville 7A .....	1.23	1.00	42.4	18.8	5.6
Deltapine 16 .....	1.24	1.02	38.3	19.0	7.6
Stoneville 213 ....	1.25	1.04	40.6	19.4	6.1
Coker 310 .....	1.30	1.09	40.5	20.4	6.5
Acala 1517-70 .....	1.26	1.08	49.7	24.0	5.4
Tamcot Sp-37 .....	1.19	.96	35.6	17.7	7.4
TPSA 110 .....	1.23	1.03	41.9	19.5	6.0
Lockett 4789A .....	1.19	.99	40.5	19.9	6.6

# PLAINS REGIONAL COTTON VARIETY TEST

Table 53.--Plains test: Yield, boll, and spinning data by cotton variety

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Tamcot Sp-21 .....	588 a	6.09 def	36.2 bcde	12.1 f	4.41 def
Deltapine 16 .....	526 b	5.77 f	36.0 de	12.0 f	4.60 cd
Lankart 611 .....	503 bc	6.97 ab	36.6 bcd	13.8 ab	4.41 def
Paymaster 909 ....	493 cd	7.25 a	37.2 ab	14.0 a	4.93 b
Lockett BXL .....	489 cd	6.49 cd	35.3 ef	13.0 bcde	4.38 ef
Coker 5110 .....	486 cde	6.37 cd	36.9 abc	12.3 ef	4.49 cde
Western 70A .....	473 cdef	6.17 de	35.4 ef	12.0 f	4.30 ef
Tamcot 788 .....	472 cdef	6.61 bc	36.1 cde	12.4 def	4.29 ef
Paymaster 111A ...	465 cdef	7.32 a	34.9 fg	13.2 bc	4.45 def
Coker 310 .....	460 def	5.89 ef	37.7 a	12.6 cdef	4.66 c
Acala 1517-70 ....	452 ef	6.32 cd	35.6 def	14.1 a	4.37 ef
Lankart LX-571 ...	449 f	7.31 a	35.4 ef	13.7 ab	4.84 b
Paymaster 202 ....	446 f	6.54 bcd	35.2 efg	13.1 bcd	4.66 c
Paymaster 18 .....	444 f	5.78 f	34.4 gh	12.4 def	5.34 a
Lockett 4789A ....	412 g	6.25 cd	35.1 efg	12.6 cdef	4.27 f
Gregg 35W .....	385 gh	6.56 bc	35.5 def	14.0 a	4.40 ef
Stripper Cala-S ..	379 h	6.37 cd	34.0 h	12.7 cdef	4.34 ef
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	R <sub>d</sub>	Hunter's b value		
Tamcot Sp-21 .....	1.08 de	0.50 ef	71.7 bcdef	6.3 d	11.7 fgh
Deltapine 16 .....	1.15 b	.53 cd	73.7 a	6.5 cd	11.8 fg
Lankart 611 .....	1.06 ef	.50 ef	70.2 g	6.6 bcd	11.0 ij
Paymaster 909 ....	1.02 gh	.50 ef	70.5 fg	6.9 bcd	11.5 ghi
Lockett BXL .....	1.13 bc	.53 cd	72.3 bc	6.5 cd	12.4 de
Coker 5110 .....	1.18 a	.55 b	72.0 bcde	6.7 cd	12.4 de
Western 70A .....	1.09 d	.50 ef	71.8 bcde	6.7 abc	11.0 ij
Tamcot 788 .....	1.12 c	.53 cd	72.6 b	6.7 abc	13.4 c
Paymaster 111A ...	1.09 d	.52 de	72.2 bcd	6.8 ab	12.3 def
Coker 310 .....	1.17 a	.54 bc	71.8 bcde	6.8 ab	12.5 d
Acala 1517-70 ....	1.18 a	.56 a	72.5 b	6.6 bc	14.8 a
Lankart LX-571 ...	1.09 d	.52 d	71.2 efg	6.8 ab	11.3 hi
Paymaster 202 ....	1.03 fg	.49 fg	71.6 bcdef	6.7 abc	12.0 efg
Paymaster 18 .....	1.00 h	.48 g	71.3 cdefg	6.6 abc	10.7 j
Lockett 4789A ....	1.12 bc	.53 cd	71.9 bcde	6.6 abc	12.5 de
Gregg 35W .....	1.12 bc	.55 b	71.2 defg	6.5 cd	14.2 b
Stripper Cala-S ..	1.11 cd	.52 d	71.2 defg	6.9 a	12.2 def



Table 54.--Plains test: Fiber data by cotton variety

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Tamcot Sp-21 .....	1.11 ef	0.89 ghi	41.5 cde	20.0 def	8.0 bc
Deltapine 16 .....	1.18 bc	.95 cd	39.7 ef	20.1 de	8.8 a
Lankart 611 .....	1.08 fg	.86 ij	38.7 f	18.8 g	8.4 ab
Paymaster 909 ....	1.06 g	.89 hij	40.8 def	20.4 cde	7.8 cd
Lockett BXL .....	1.14 d	.93 def	41.9 cd	20.6 cd	7.3 def
Coker 5110 .....	1.20 ab	.96 bc	41.6 cd	20.5 cd	7.4 cdef
Western 70A .....	1.10 f	.88 hi	39.4 f	18.9 g	7.6 cde
Tamcot 788 .....	1.13 de	.91 efg	47.6 a	22.6 b	5.8 i
Paymaster 111A ...	1.11 ef	.90 fgh	42.5 cd	20.3 cde	7.2 efg
Coker 310 .....	1.21 ab	.98 ab	42.9 c	21.0 c	7.0 fg
Acala 1517-70 ....	1.22 a	1.00 a	48.3 a	23.6 a	6.4 h
Lankart LX-571 ...	1.11 ef	.91 fg	39.5 f	19.2 fg	7.5 cdef
Paymaster 202 ....	1.05 g	.87 ij	42.9 c	20.6 cd	7.0 fg
Paymaster 18 .....	1.02 h	.85 j	41.7 cd	19.6 efg	6.8 gh
Lockett 4789A ....	1.14 d	.94 cde	41.8 cd	20.3 cde	7.3 cdef
Gregg 35W .....	1.16 cd	.96 bc	46.9 a	23.9 a	7.2 efg
Stripper Cala-S ..	1.11 ef	.89 ghi	44.6 b	20.6 cd	6.5 h

Table 55.--Plains test: Yield, boll, and spinning data by test location

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Lubbock, Tex. ....	662 a	6.03 de	36.8 a	13.2 bc	4.21 c
Chickasha (IRR), Okla. ....	615 ab	6.98 ab	34.7 bcd	12.8 c	4.80 a
Chillicothe (IRR), Tex. ....	561 b	7.05 a	34.5 cd	13.8 ab	4.58 b
Lamesa, Tex. ....	465 c	6.61 bc	37.0 a	12.5 c	4.29 c
Chickasha, (Dry).. Okla. ....	440 c	6.46 cd	36.1 abcd	12.7 c	4.79 a
Altus, Okla. ....	397 cd	5.99 e	34.1 d	11.3 d	4.24 c
Chillicothe (Dry) Tex. ....	338 d	6.34 cde	36.4 abc	12.7 c	4.87 a
Mangum, Okla. ....	151 e	6.28 cde	35.8 abcd	14.4 a	4.62 b
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	R <sub>d</sub>	Hunter's b value		
Lubbock, Tex. ....	1.14 a	0.54 a	75.4 a	7.6 a	12.5 ab
Chickasha (IRR), Okla. ....	1.11 bc	.52 bc	74.6 a	7.1 bc	12.5 ab
Chillicothe (IRR), Tex. ....	1.12 bc	.54 ab	70.2 bc	5.6 f	12.4 ab
Lamesa, Tex. ....	1.10 bc	.52 bc	68.4 d	6.4 d	12.0 bc
Chickasha (Dry) Okla. ....	1.09 c	.52 bc	75.4 a	7.3 b	12.7 a
Altus, Okla. ....	1.09 c	.51 cd	70.5 b	6.6 d	12.1 abc
Chillicothe (Dry) Okla. ....	1.06 d	.49 d	68.8 cd	5.9 e	11.7 c
Mangum, Okla. ....	1.13 ab	.53 ab	71.8 b	7.0 c	12.3 ab

Table 56.--Plains test: Fiber data by test location

Location	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Lubbock, Tex. ....	1.16 a	0.93 abc	41.3 cd	20.7 b	7.9 a
Chickasha (IRR), Okla. ....	1.12 cd	.94 a	44.5 b	21.1 b	6.9 cd
Chillicothe (IRR), Tex. ....	1.15 ab	.96 a	40.9 cd	20.1 c	7.2 bc
Lamesa, Tex. ....	1.14 bc	.93 ab	40.4 d	20.0 c	7.7 ab
Chickasha (dry) Okla. ....	1.10 e	.89 c	46.5 a	22.1 a	6.4 d
Altus, Okla. ....	1.11 de	.90 bc	41.4 cd	19.8 c	7.2 bc
Chillicothe (Dry), Tex. ....	1.06 f	.86 d	44.4 b	20.8 b	7.0 c
Mangum, Okla. ....	1.16 a	.96 a	42.2 c	21.3 b	7.4 abc

Table 57.--Plains test: Combined yield, boll, and spinning data for  
Lubbock and Lamesa, Tex.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Acala 1517-70 ....	663 a	6.19 abcd	36.0 bc	13.9 ab	4.11 cdef
Coker 5110 .....	658 a	6.49 abcd	37.7 ab	12.9 abcdef	4.21 bcdef
Coker 310 .....	627 ab	6.16 abcd	38.4 a	12.4 bcdef	4.49 abc
Tamcot Sp-21 .....	616 abc	5.76 cd	36.7 abc	11.7 f	4.04 def
Lockett BXL .....	615 abc	6.46 abcd	36.6 abc	13.0 abcdef	4.11 cdef
Deltapine 16 .....	611 abcd	5.53 d	37.6 ab	11.9 ef	4.29 bcdef
Paymaster 909 ....	611 abcd	6.91 ab	36.9 abc	13.9 ab	4.63 ab
Gregg 35W .....	606 abcd	6.99 a	35.7 c	14.3 a	4.31 bcdef
Paymaster 18 .....	604 abcd	5.72 cd	36.0 bc	12.2 cdef	4.85 a
Tamcot 788 .....	602 abcd	6.27 abcd	37.0 abc	12.5 bcdef	3.96 f
Paymaster 111A ...	592 abcd	6.92 ab	36.7 abc	12.3 abcdef	3.99 ef
Lankart 611 .....	577 bcde	6.36 abcd	37.1 abc	13.7 abc	4.15 cdef
Paymaster 202 ....	575 bcde	6.64 abc	37.1 abc	13.3 abcde	4.41 bcde
Western 70A .....	571 bcde	5.90 bcd	37.7 ab	12.1 def	4.14 cdef
Lankart LX-571 ...	551 cde	6.75 abc	36.4 bc	13.6 abcd	4.47 abcd
Lockett 4789A ....	543 de	6.18 abcd	36.5 bc	12.4 bcdef	3.93 f
Stripper Cala-S ..	512 e	6.26 abcd	36.8 abc	12.5 bcdef	4.21 bcdef
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	$R_d$	Hunter's b value		
Acala 1517-70 ....	1.20 a	0.58 a	72.2 abcd	6.7 def	15.1 a
Coker 5110 .....	1.20 a	.56 ab	72.8 abc	7.0 abcde	12.8 bc
Coker 310 .....	1.15 abc	.53 bcde	71.4 abcd	7.4 a	11.9 cde
Tamcot Sp-21 .....	1.13 abc	.53 cdef	73.3 ab	6.6 f	12.2 bcde
Lockett BXL .....	1.14 abc	.53 bcde	73.0 abc	7.0 abcdef	12.6 bcd
Deltapine 16 .....	1.15 abc	.54 bcde	73.7 a	7.2 abc	11.9 cde
Paymaster 909 ....	1.07 bc	.53 cdef	70.3 d	6.8 cdef	12.3 bcde
Gregg 35W .....	1.14 abc	.55 bc	71.4 abcd	6.9 bcdef	13.4 b
Paymaster 18 .....	1.03 d	.50 f	71.5 abcd	6.6 ef	11.3 de
Tamcot 788 .....	1.16 ab	.54 bcd	71.9 abcd	7.0 abcdef	12.8 bc
Paymaster 111A ...	1.13 abc	.53 cdef	72.0 abcd	7.0 abcdef	12.2 bcde
Lankart 611 .....	1.08 bcd	.51 def	71.1 bcd	7.0 abcde	11.0 e
Paymaster 202 ....	1.08 bcd	.51 ef	71.3 bcd	7.2 abc	12.0 cde
Western 70A .....	1.13 abc	.51 def	71.7 abcd	7.1 abcd	11.7 cde
Lankart LX-571 ...	1.09 bcd	.52 def	70.8 cd	7.2 abc	11.6 cde
Lockett 4789A ....	1.14 abc	.54 bcd	72.6 abcd	6.8 cdef	12.3 bcde
Stripper Cala-S ..	1.11 bc	.53 cdef	70.9 cd	7.3 ab	11.6 cde



Table 58.--Plains test: Combined fiber data for Lubbock and Lamesa, Tex.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Acala 1517-70 ....	1.24 a	1.04 a	46.5 a	23.5 a	7.2 bc
Coker 5110 .....	1.23 ab	1.00 ab	41.3 bcd	21.2 bcde	8.1 abc
Coker 310 .....	1.17 abc	.96 bc	40.1 bcd	19.4 def	7.6 abc
Tamcot Sp-21 .....	1.16 abc	.92 cde	41.0 bcd	20.0 cdef	8.6 ab
Lockett BXL .....	1.17 abc	.93 bcde	41.6 bcd	21.4 bcd	7.7 abc
Deltapine 16 .....	1.18 abc	.95 bcd	38.4 d	19.5 def	9.1 a
Paymaster 909 ....	1.11 cd	.92 cde	41.0 bcd	21.2 bcde	8.0 abc
Gregg 35W .....	1.18 abc	.96 bc	44.5 ab	22.1 ab	7.5 abc
Paymaster 18 .....	1.06 d	.87 e	39.7 bcd	19.8 cdef	7.4 abc
Tamcot 788 .....	1.16 abc	.91 cde	44.1 abc	21.7 abc	6.5 c
Paymaster 111A ...	1.14 bcd	.91 cde	40.9 bcd	20.2 bcdef	7.6 abc
Lankart 611 .....	1.10 cd	.88 de	37.6 d	18.6 f	8.9 ab
Paymaster 202 ....	1.11 cd	.91 cde	38.1 d	19.5 def	8.2 abc
Western 70A .....	1.16 abcd	.91 cde	39.5 cd	19.6 def	7.7 abc
Lankart LX-571 ...	1.11 cd	.90 cde	39.9 bcd	19.2 ef	7.3 bc
Lockett 4789A ....	1.15 abcd	.92 cde	39.3 cd	19.7 cdef	8.1 abc
Stripper Cala-S ..	1.14 bcd	.90 cde	41.2 bcd	20.1 cdef	7.4 abc

Table 59.--Plains test: Combined yield, boll, and spinning data for Altus, Mangum, and Chickasha, Okla., and Chillicothe, Tex. (dryland and irrigated) by cotton variety

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Tamcot Sp-21 .....	568 a	6.42 bc	35.8 bcd	12.4 de	4.78 bc
Deltapine 16 .....	502 b	5.85 d	35.4 cd	12.0 e	4.71 c
Paymaster 909 ....	460 c	7.36 a	37.3 a	14.1 a	5.03 b
Lockett BXL .....	453 c	6.50 bc	34.9 cde	13.0 bcd	4.47 cde
Lankart 611 .....	447 cd	7.57 a	36.1 abc	13.9 ab	4.68 cd
Western 70A .....	445 cd	6.26 c	34.6 cde	12.0 e	4.35 e
Coker 5110 .....	437 cd	6.33 c	36.6 ab	12.1 e	4.58 cd
Tamcot 788 .....	436 cd	6.72 b	35.8 bc	12.4 de	4.40 de
Paymaster 111A ...	429 cd	7.42 a	34.3 de	13.3 bc	4.60 cd
Lankart LX-571 ...	421 cd	7.50 a	35.1 cd	13.7 ab	4.97 b
Coker 310 .....	413 d	5.80 d	37.5 a	12.7 cde	4.72 c
Paymaster 202 ....	410 de	6.50 bc	34.5 de	13.0 bcd	4.75 c
Paymaster 18 .....	399 de	5.80 d	33.9 ef	12.5 de	5.50 a
Acala 1517-70 ....	393 de	6.36 bc	35.4 cd	14.2 a	4.46 cde
Lockett 4789A ....	375 ef	6.27 c	34.7 cde	12.7 cde	4.38 de
Stripper Cala-S ..	341 fg	6.40 bc	33.1 f	12.7 cde	4.38 de
Gregg 35 W .....	323 g	6.42 bc	35.4 cd	13.8 ab	4.43 de
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	$R_d$	Hunter's b value		
Tamcot Sp-21 .....	1.03 f	0.47 h	70.1 ef	5.9 f	11.2 fg
Deltapine 16 .....	1.15 b	.52 cd	73.7 a	6.3 de	11.8 e
Paymaster 909 ....	1.00 fg	.50 fg	70.6 ef	6.9 a	11.3 f
Lockett BXL .....	1.13 bc	.53 bcd	72.0 bcd	6.4 cde	12.4 cd
Lankart 611 .....	1.04 f	.50 fgh	69.3 f	6.1 ef	11.1 fg
Western 70A .....	1.08 e	.50 efg	71.9 bcd	6.6 abc	10.8 fg
Coker 5110 .....	1.17 a	.54 bc	71.8 bcd	6.6 abcd	12.3 cd
Tamcot 788 .....	1.11 cde	.52 cd	72.8 ab	6.6 abcd	13.6 b
Paymaster 111A ...	1.08 e	.51 def	72.3 bcd	6.7 ab	12.3 cd
Lankart LX-571 ...	1.09 de	.52 d	71.3 de	6.7 abc	11.2 fg
Coker 310 .....	1.18 a	.54 bc	72.0 bcd	6.6 abc	12.7 c
Paymaster 202 ....	1.02 f	.49 gh	71.6 cde	6.5 bcd	12.0 de
Paymaster 18 .....	.99 g	.48 h	71.2 de	6.6 abc	10.5 g
Acala 1517-70 ....	1.18 a	.56 a	72.6 bc	6.6 bcd	14.7 a
Lockett 4789A ....	1.12 cd	.53 cd	71.7 bcd	6.6 bcd	12.6 c
Stripper Cala-S ..	1.11 cde	.52 de	71.3 de	6.7 ab	12.4 cd
Gregg 35W .....	1.12 cd	.54 ab	71.1 de	6.4 cde	14.4 a

Table 60.--Plains test: Combined fiber data for Altus, Mangum, and Chickasha, Okla., and Chillicothe, Tex. (dryland and irrigated) by cotton variety

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Tamcot Sp. 21 .....	1.06 gh	0.87 efgh	42.1 defg	19.9 efg	7.4 bcde
Deltapine 16 .....	1.18 b	.95 bc	40.2 gh	20.3 ef	8.7 a
Paymaster 909 .....	1.04 h	.88 efg	40.7 fgh	20.2 ef	7.7 b
Lockett BXL .....	1.13 cd	.93 cd	42.0 efg	20.4 ef	7.2 de
Lankart 611 .....	1.06 gh	.85 gh	39.9 gh	19.0 gh	8.0 b
Western 70A .....	1.08 fg	.87 fgh	39.4 h	18.7 h	7.6 bc
Coker 5110 .....	1.19 b	.95 bc	41.8 efg	20.2 ef	7.2 cde
Tamcot 788 .....	1.12 de	.92 d	48.8 a	22.8 c	5.6 i
Paymaster 111A ....	1.10 ef	.90 de	43.0 cde	20.3 ef	7.0 ef
Lankart LX-571 ....	1.11 e	.92 d	39.3 h	19.2 gh	7.5 bcd
Coker 310 .....	1.22 a	.99 a	43.9 cd	21.5 d	6.9 efg
Paymaster 202 .....	1.03 h	.85 gh	44.5 bc	21.0 de	6.7 fg
Paymaster 18 .....	1.00 i	.84 h	42.3 def	19.6 fg	6.5 g
Acala 1517-70 .....	1.21 a	.98 a	48.9 a	23.6 b	6.2 h
Lockett 4789A .....	1.14 cd	.94 bc	42.6 de	20.6 e	7.1 e
Stripper Cala-S ...	1.10 ef	.89 ef	45.7 b	20.8 de	6.2 h
Gregg 35 W .....	1.16 c	.97 ab	47.7 a	24.5 a	7.1 e



Table 61.--Plains test: Yield, boll, and spinning data for Lubbock, Tex.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Coker 5110 .....	762 a	6.11	38.9	13.0	4.28
Acala 1517-70 .....	745 ab	5.81	35.6	14.7	4.24
Gregg 35 W .....	697 abc	6.40	35.4	14.8	4.14
Coker 310 .....	697 abc	5.55	39.4	12.7	4.65
Deltapine 16 .....	690 abc	5.58	37.6	12.7	4.65
Tamcot 788 .....	686 abc	5.95	37.5	11.9	3.75
Tamcot Sp. 21 .....	670 bc	5.59	35.1	12.5	3.98
Paymaster 18 .....	667 bcd	5.28	36.4	11.9	5.08
Lockett BXL .....	667 bcd	5.89	36.7	12.9	3.97
Paymaster 111A ....	660 cd	7.50	36.5	14.3	4.14
Paymaster 909 .....	651 cde	7.05	36.5	14.9	4.96
Paymaster 202 .....	635 cde	6.00	36.9	13.0	4.39
Western 70A .....	627 cde	5.69	37.2	12.5	3.62
Lankart LX-571 ....	626 cde	6.85	36.6	15.1	4.47
Lankart 611 .....	616 cde	5.99	37.0	14.3	3.87
Stripper Cala-S ...	586 de	5.69	35.7	12.6	3.82
Lockett 4789A .....	571 e	5.70	36.5	11.9	3.68
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	$R_d$	Hunter's <i>b</i> value		
Coker 5110 .....	1.25	0.58	75.3	7.7	12.3
Acala 1517-70 .....	1.24	.62	75.6	7.7	15.9
Gregg 35 W .....	1.17	.57	74.1	7.4	14.0
Coker 310 .....	1.24	.59	75.0	8.0	13.0
Deltapine 16 .....	1.20	.56	77.6	7.8	12.4
Tamcot 788 .....	1.17	.55	75.0	7.5	13.4
Tamcot Sp. 21 .....	1.13	.55	78.1	7.2	12.5
Paymaster 18 .....	.99	.49	75.5	7.3	11.0
Lockett BXL .....	1.17	.55	76.4	7.6	12.4
Paymaster 111A ....	1.17	.56	74.3	7.6	12.4
Paymaster 909 .....	1.04	.52	73.3	7.7	12.0
Paymaster 202 .....	1.05	.51	75.0	7.5	11.8
Western 70A .....	1.13	.51	75.3	7.8	11.5
Lankart LX-571 ....	1.13	.53	75.2	7.7	11.4
Lankart 611 .....	1.11	.52	74.9	7.5	10.9
Stripper Cala-S ...	1.13	.56	74.3	7.5	12.4
Lockett 4789A .....	1.19	.56	76.5	7.4	12.9

Table 62.--Plains test: Fiber data for Lubbock, Tex.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Coker 5110 .....	1.23	0.98	40.7	20.8	8.4
Acala 1517-70 .....	1.28	1.09	48.8	24.8	7.0
Gregg 35 W .....	1.20	.97	46.6	22.9	7.2
Coker 310 .....	1.29	1.06	41.5	20.5	7.2
Deltapine 16 .....	1.25	1.01	38.8	20.3	8.5
Tamcot 788 .....	1.16	.88	45.9	23.0	6.3
Tamcot Sp. 21 .....	1.15	.89	44.5	21.0	8.2
Paymaster 18 .....	1.00	.81	40.1	19.9	7.7
Lockett BXL .....	1.17	.91	41.4	21.6	8.0
Paymaster 111A ....	1.17	.94	42.0	20.8	8.0
Paymaster 909 .....	1.08	.91	40.1	21.2	8.8
Paymaster 202 .....	1.06	.87	39.3	20.5	8.4
Western 70A .....	1.13	.86	37.5	19.3	8.5
Lankart LX-571 ....	1.17	.95	36.6	18.2	7.7
Lankart 611 .....	1.11	.88	35.3	18.2	9.5
Stripper Cala-S ...	1.10	.85	44.1	21.1	7.1
Lockett 4789A .....	1.19	.93	39.7	19.7	7.5

Table 63.--Plains test: Yield, boll and spinning data for Chillicothe, Tex.  
(irrigated)

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Tamcot Sp. 21 .....	736 a	7.11	35.9	13.0	4.65
Deltapine 16 .....	714 a	7.07	34.2	13.0	4.63
Paymaster 909 .....	672 ab	8.06	38.2	15.1	4.76
Lockett BXL .....	633 abc	7.18	34.3	14.7	4.54
Acala 1517-70 .....	611 abc	6.71	33.9	15.3	4.28
Tamcot 788 .....	608 abc	7.79	34.5	14.1	4.47
Lankart LX-571 ....	566 bcd	7.95	35.1	14.4	4.73
Coker 5110 .....	563 bcd	6.65	34.5	13.1	4.57
Lankart 611 .....	555 bcde	7.66	35.1	13.7	4.79
Paymaster 18 .....	547 bcdef	6.50	33.6	13.8	5.51
Western 70A .....	516 cdef	6.13	34.4	13.0	4.27
Paymaster 111A ....	511 cdef	7.91	32.8	13.4	4.47
Coker 310 .....	503 cdef	6.11	36.4	13.4	4.49
Paymaster 202 .....	497 cdef	6.71	33.6	14.5	4.44
Lockett 4789A .....	460 def	6.56	34.6	13.3	4.50
Stripper Cala-S ...	421 ef	6.72	33.9	12.7	4.44
Gregg 35 W .....	416 f	7.03	31.3	15.0	4.33
		Span length (inches)		Colorimeter	
		2.5%	50%	$R_d$	Hunter's b value
Tamcot Sp. 21 .....	1.06	0.50	70.1	6.0	11.8
Deltapine 16 .....	1.13	.53	71.0	5.4	11.9
Paymaster 909 .....	1.04	.51	68.9	5.9	11.1
Lockett BXL .....	1.14	.54	70.5	5.2	12.7
Acala 1517-70 .....	1.20	.58	70.7	5.2	14.0
Tamcot 788 .....	1.15	.55	69.7	5.2	14.2
Lankart LX-571 ....	1.11	.53	68.9	5.8	11.4
Coker 5110 .....	1.21	.56	71.1	5.5	12.6
Lankart 611 .....	1.06	.52	70.5	6.1	11.7
Paymaster 18 .....	.99	.49	70.4	5.7	10.4
Western 70A .....	1.12	.53	71.4	6.0	11.0
Paymaster 111A ....	1.10	.54	71.0	5.7	12.6
Coker 310 .....	1.21	.57	70.2	5.9	12.8
Paymaster 202 .....	1.04	.50	69.1	5.9	12.4
Lockett 4789A .....	1.11	.54	69.7	5.8	12.6
Stripper Cala-S ...	1.23	.60	71.5	5.4	13.4
Gregg 35 W .....	1.13	.56	69.5	5.6	14.6



Table 64.--Plains test: Fiber data for Chillicothe, Tex. (irrigated)

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Tamcot Sp. 21 .....	1.11	0.95	40.8	20.3	8.0
Deltapine 16 .....	1.17	.95	37.8	18.9	7.5
Paymaster 909 .....	1.07	.91	37.9	18.5	8.5
Lockett BXL .....	1.17	.97	40.1	19.6	7.1
Acala 1517-70 .....	1.23	1.01	42.2	20.9	7.1
Tamcot 788 .....	1.17	1.02	45.9	22.6	5.6
Lankart LX-571 ....	1.09	.88	40.5	18.4	7.5
Coker 5110 .....	1.24	1.00	39.5	20.1	7.3
Lankart 611 .....	1.09	.88	40.5	18.8	7.8
Paymaster 18 .....	1.03	.87	39.6	19.0	7.0
Western 70A .....	1.14	.93	38.1	18.5	7.7
Paymaster 111A ....	1.16	.96	41.4	20.6	7.3
Coker 310 .....	1.25	1.02	40.9	20.9	6.8
Paymaster 202 .....	1.09	.90	44.1	20.6	6.9
Lockett 4789A .....	1.16	.99	39.8	19.0	6.7
Stripper Cala-S ...	1.26	1.07	42.7	21.2	7.5
Gregg 35 W .....	1.18	.98	45.5	23.8	7.1

Table 65.--Plains test: Yield, boll, and spinning data for Chickasha, Okla.  
(irrigated)

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Deltapine 16 .....	732 a	5.90	35.8	12.0	4.93
Coker 5110 .....	700 ab	7.08	36.6	12.0	4.68
Paymaster 909 .....	699 ab	8.02	36.8	14.0	5.15
Paymaster 111A .....	690 abc	7.96	34.2	12.5	4.72
Lockett BXL .....	655 abcd	6.96	34.3	13.0	4.72
Paymaster 202 .....	615 bcd	6.44	33.7	12.5	5.08
Western 70A .....	609 bcde	6.92	34.0	12.0	4.33
Tamcot 788 .....	599 cde	6.82	35.4	12.0	4.40
Coker 310 .....	593 def	6.82	36.2	12.5	4.83
Paymaster 18 .....	590 def	6.44	33.7	12.5	5.97
Lankart LX-571 .....	590 def	8.58	33.5	14.0	5.22
Lockett 4789A .....	565 def	6.82	32.8	13.5	4.59
Stripper Cala-S ...	565 def	6.80	32.7	13.0	4.37
Acala 1517-70 .....	517 ef	6.48	35.1	13.0	4.57
Gregg 35 W .....	502 f	6.68	36.8	13.0	4.47
		Span length (inches)		Colorimeter	
		2.5%	50%	$R_d$	Hunter's <i>b</i> value
Deltapine 16 .....	1.17	0.53	75.9	6.8	11.8
Coker 5110 .....	1.19	.55	74.3	7.6	12.6
Paymaster 909 .....	1.00	.50	72.8	7.1	12.0
Paymaster 111A .....	1.12	.52	74.8	7.1	12.2
Lockett BXL .....	1.18	.55	75.5	7.0	12.1
Paymaster 202 .....	1.00	.49	74.4	7.0	12.3
Western 70A .....	1.12	.52	73.8	7.1	11.5
Tamcot 788 .....	1.10	.53	75.8	7.5	13.7
Coker 310 .....	1.22	.55	75.0	7.3	13.0
Paymaster 18 .....	.97	.48	75.4	7.1	10.7
Lankart LX-571 .....	1.11	.53	75.3	7.1	11.3
Lockett 4789A .....	1.14	.55	73.1	7.0	12.9
Stripper Cala-S ...	1.10	.52	74.0	7.4	12.5
Acala 1517-70 .....	1.17	.54	74.5	7.0	14.7
Gregg 35 W .....	1.10	.54	74.3	7.2	14.5

Table 66. Plains test: Fiber data for Chickasha, Okla. (irrigated)

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Deltapine 16 .....	1.18	0.97	43.9	20.4	8.8
Coker 5110 .....	1.21	.97	42.7	20.0	7.4
Paymaster 909 .....	1.03	.89	42.7	21.3	7.5
Paymaster 111A ....	1.11	.91	43.4	20.0	7.2
Lockett BXL .....	1.16	.96	41.8	20.5	7.1
Paymaster 202 .....	1.00	.85	44.7	21.6	6.1
Western 70A .....	1.10	.91	39.5	19.2	7.4
Tamcot 788 .....	1.14	.93	49.6	23.2	5.6
Coker 310 .....	1.27	1.06	44.6	22.0	7.2
Paymaster 18 .....	1.00	.87	42.5	19.1	6.2
Lankart LX-571 ....	1.14	.97	40.7	18.9	7.8
Lockett 4789A .....	1.19	1.02	42.8	20.4	7.2
Stripper Cala-S ...	1.05	.86	47.6	21.1	5.4
Acala 1517-70 .....	1.18	.95	51.4	24.3	6.0
Gregg 35 W .....	1.12	.96	49.3	25.0	7.0



Table 67.--Plains test: Yield, boll, and spinning data for Altus, Okla.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Western 70A .....	532 a	6.20	33.6	11.5	4.46
Deltapine 16 .....	468 b	5.36	34.1	10.0	4.04
Tamcot 788 .....	467 b	5.96	35.1	10.5	4.23
Coker 310 .....	451 bc	5.48	37.5	11.5	4.56
Paymaster 202 .....	408 bcd	5.86	34.1	10.0	4.34
Paymaster 909 .....	402 cd	6.10	35.7	13.0	4.48
Paymaster 18 .....	396 cd	5.32	34.2	10.5	4.57
Lockett 4789A .....	371 de	5.48	33.8	11.0	3.96
Coker 5110 .....	364 de	6.20	35.0	10.0	3.93
Lockett BXL .....	359 de	5.56	33.1	10.0	3.90
Paymaster 111A ....	358 de	7.24	33.2	12.0	4.18
Acala 1517-70 .....	351 de	6.36	33.5	13.5	4.07
Stripper Cala-S ...	350 de	5.78	31.1	11.0	4.17
Lankart LX-571 ....	350 de	6.42	33.2	11.0	4.49
Gregg 35 W .....	321 e	6.54	33.8	13.5	4.24
		Span length (inches)		Colorimeter	
		2.5%	50%	$R_d$	Hunter's <i>b</i> value
Western 70A .....	1.05	0.49	69.8	6.8	10.2
Deltapine 16 .....	1.16	.50	73.1	6.1	11.4
Tamcot 788 .....	1.07	.49	71.1	7.0	13.1
Coker 310 .....	1.15	.54	71.4	6.3	12.6
Paymaster 202 .....	.99	.46	68.7	6.3	11.4
Paymaster 909 .....	1.02	.50	69.4	6.5	11.0
Paymaster 18 .....	1.04	.49	70.0	6.6	11.0
Lockett 4789A .....	1.11	.51	69.6	6.7	12.7
Coker 5110 .....	1.17	.53	71.5	6.9	11.9
Lockett BXL .....	1.10	.50	70.5	6.3	12.0
Paymaster 111A ....	1.09	.50	71.5	6.8	11.8
Acala 1517-70 .....	1.24	.58	73.1	6.7	15.3
Stripper Cala-S ...	1.07	.48	70.0	7.1	11.7
Lankart LX-571 ....	1.06	.50	68.3	6.9	11.1
Gregg 35 W .....	1.10	.55	70.0	6.3	14.4

Table 68.--Plains test: Fiber data for Altus, Okla.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Western 70A .....	1.05	0.84	37.3	17.6	7.9
Deltapine 16 .....	1.18	.94	37.9	19.0	9.2
Tamcot 788 .....	1.08	.87	46.5	21.4	5.8
Coker 310 .....	1.19	.96	42.4	20.0	6.9
Paymaster 202 .....	1.00	.79	43.9	19.8	7.3
Paymaster 909 .....	1.04	.86	37.9	19.3	7.7
Paymaster 18 .....	1.06	.88	40.8	20.3	7.0
Lockett 4789A .....	1.11	.93	40.9	20.0	7.5
Coker 5110 .....	1.18	.93	39.2	19.0	7.5
Lockett BXL .....	1.09	.90	40.4	18.7	7.5
Paymaster 111A ....	1.10	.90	39.7	19.3	7.1
Acala 1517-70 .....	1.27	1.02	47.2	23.2	6.2
Stripper Cala-S ...	1.05	.82	42.7	18.7	6.2
Lankart LX-571 ....	1.07	.87	38.8	18.5	7.6
Gregg 35 W .....	1.16	.97	46.2	23.3	7.5

Table 69.--Plains test: Yield, boll, and spinning data for Lamesa, Tex.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Paymaster 909 .....	530 a	6.77	37.4	12.9	4.30
Lockett BXL .....	511 a	7.04	36.4	13.1	4.25
Tamcot Sp. 21 .....	507 ab	5.93	38.2	11.0	4.09
Acala 1517-70 .....	499 ab	6.58	36.5	13.1	3.98
Lankart 611 .....	499 ab	6.74	37.2	13.1	4.43
Coker 310 .....	487 ab	6.77	37.4	12.2	4.33
Lockett 4789A .....	486 ab	6.67	36.4	13.0	4.19
Paymaster 18 .....	478 ab	6.16	35.6	12.5	4.62
Western 70A .....	460 ab	6.10	38.2	11.7	4.67
Paymaster 111A ....	457 ab	6.35	37.0	11.4	3.84
Paymaster 202 .....	455 ab	7.27	37.4	13.6	4.43
Deltapine 16 .....	453 ab	5.47	37.7	11.2	3.93
Coker 5110 .....	451 ab	6.87	36.5	12.8	4.14
Tamcot 788 .....	434 ab	6.58	36.5	13.1	4.17
Gregg 35 W .....	425 ab	7.59	36.0	13.9	4.48
Lankart LX-571 ....	399 ab	6.66	36.3	12.1	4.47
Stripper Cala-S ...	366 b	6.82	38.0	12.4	4.60
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	$R_d$	Hunter's <i>b</i> value		
Paymaster 909 .....	1.11	0.54	67.4	6.0	12.6
Lockett BXL .....	1.11	.52	69.6	6.4	12.9
Tamcot Sp. 21 .....	1.13	.52	68.6	6.0	12.0
Acala 1517-70 .....	1.16	.55	68.8	5.8	14.3
Lankart 611 .....	1.06	.51	67.4	6.6	11.1
Coker 310 .....	1.06	.48	67.9	6.8	10.8
Lockett 4789A .....	1.10	.53	68.8	6.3	11.7
Paymaster 18 .....	1.07	.51	67.6	6.0	11.7
Western 70A .....	1.13	.52	68.1	6.3	12.0
Paymaster 111A ....	1.08	.50	69.8	6.4	11.9
Paymaster 202 .....	1.11	.51	67.6	6.8	12.1
Deltapine 16 .....	1.10	.51	69.8	6.6	11.4
Coker 5110 .....	1.16	.55	70.3	6.4	13.4
Tamcot 788 .....	1.15	.54	68.7	6.5	12.2
Gregg 35 W .....	1.11	.54	68.8	6.4	12.7
Lankart LX-571 ....	1.05	.51	66.4	6.8	11.8
Stripper Cala-S ...	1.10	.52	67.5	7.0	10.8

Table 70.--Plains test: Fiber data for Lamesa, Tex.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Paymaster 909 .....	1.15	0.94	41.9	21.2	7.2
Lockett BXL .....	1.17	.96	41.8	21.2	7.3
Tamcot Sp. 21 .....	1.18	.94	37.5	19.1	8.9
Acala 1517-70 .....	1.21	1.00	44.2	22.3	7.5
Lankart 611 .....	1.08	.88	39.8	19.0	8.3
Coker 310 .....	1.06	.86	38.7	18.3	8.1
Lockett 4789A .....	1.12	.92	38.9	19.7	8.7
Paymaster 18 .....	1.13	.93	39.4	19.7	7.2
Western 70A .....	1.19	.97	41.6	19.9	6.8
Paymaster 111A ....	1.11	.89	39.8	19.6	7.3
Paymaster 202 .....	1.16	.95	37.0	18.5	8.0
Deltapine 16 .....	1.12	.90	38.0	18.8	9.7
Coker 5110 .....	1.22	1.01	41.9	21.6	7.8
Tamcot 788 .....	1.17	.94	42.4	20.5	6.7
Gregg 35 W .....	1.15	.96	42.5	21.4	7.9
Lankart LX-571 ....	1.05	.85	43.2	20.2	6.9
Stripper Cala-S ...	1.18	.96	38.4	19.2	7.7



Table 71.--Plains test: Yield, boll, and spinning data for Chickasha, Okla.  
(dryland)

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Deltapine 16 .....	523 a	6.08	36.8	12.0	4.99
Coker 5110 .....	509 a	6.20	37.1	12.0	4.60
Paymaster 111A ....	500 a	7.02	35.6	13.0	4.68
Lockett BXL .....	492 a	6.54	35.2	12.0	4.78
Western 70A .....	488 a	6.34	35.5	11.5	4.23
Paymaster 202 .....	478 ab	6.72	36.5	13.0	4.98
Lankart LX-571 ....	464 abc	7.04	36.4	14.5	5.08
Coker 310 .....	457 abc	6.04	38.0	13.5	4.87
Tamcot 788 .....	409 bcd	6.72	36.4	11.5	4.44
Gregg 35 W .....	404 bcd	6.16	36.4	14.0	4.65
Paymaster 909 .....	404 bcd	6.96	38.3	13.0	5.55
Lockett 4789A .....	391 cd	6.48	35.6	12.0	4.54
Paymaster 18 .....	387 cd	5.52	33.8	11.0	5.42
Acala 1517-70 .....	375 de	6.42	36.6	14.0	4.60
Stripper Cala-S ...	312 e	6.62	34.0	13.0	4.53
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%		50%	$R_d$	Hunter's <i>b</i> value	
Deltapine 16 .....	1.15	0.54	77.6	7.3	12.0
Coker 5110 .....	1.17	.53	75.7	7.4	12.7
Paymaster 111A ....	1.07	.50	74.9	7.5	12.5
Lockett BXL .....	1.12	.53	75.4	7.4	12.5
Western 70A .....	1.07	.50	75.3	7.2	11.3
Paymaster 202 .....	1.02	.51	75.7	7.2	12.7
Lankart LX-571 ....	1.10	.53	75.6	7.3	11.8
Coker 310 .....	1.21	.56	75.1	7.2	13.2
Tamcot 788 .....	1.08	.51	75.8	7.3	13.5
Gregg 35 W .....	1.12	.55	75.1	7.6	15.1
Paymaster 909 .....	.98	.50	74.5	7.4	12.1
Lockett 4789A .....	1.13	.54	76.2	7.0	13.0
Paymaster 18 .....	.98	.48	74.6	7.0	10.6
Acala 1517-70 .....	1.14	.54	75.2	7.8	15.0
Stripper Cala-S ...	1.09	.50	74.7	7.3	12.7

Table 72.--Plains test: Fiber data for Chickasha, Okla. (dryland)

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Deltapine 16 .....	1.17	0.95	41.6	20.7	8.3
Coker 5110 .....	1.16	.91	44.9	22.0	6.3
Paymaster 111A ....	1.06	.87	45.6	21.3	6.4
Lockett BXL .....	1.10	.86	45.3	21.7	6.7
Western 70A .....	1.08	.87	42.9	20.1	7.4
Paymaster 202 .....	1.03	.88	47.2	22.6	6.2
Lankart LX-571 ....	1.11	.91	42.8	20.7	6.9
Coker 310 .....	1.22	.98	46.0	22.4	6.5
Tamcot 788 .....	1.07	.85	53.1	23.4	5.0
Gregg 35 W .....	1.15	.95	51.7	26.5	6.3
Paymaster 909 .....	1.03	.88	45.6	22.2	7.2
Lockett 4789A .....	1.16	.95	45.3	21.3	6.7
Paymaster 18 .....	.97	.81	44.0	20.2	6.2
Acala 1517-70 .....	1.17	.95	53.4	24.2	5.3
Stripper Cala-S ...	1.06	.85	49.0	22.3	5.6

Table 73.--Plains test: Yield, boll, and spinning data for Chillicothe, Tex.  
(dryland)

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Paymaster 909 .....	460 a	7.68	38.7	14.4	5.40
Tamcot Sp. 21 .....	400 ab	5.72	35.6	11.9	4.91
Deltapine 16 .....	388 abc	5.34	36.6	12.0	5.08
Lockett BXL .....	374 abcd	6.55	36.6	12.8	4.63
Western 70A .....	361 bcd	6.26	34.7	11.7	4.54
Paymaster 18 .....	357 bcd	5.73	33.4	13.9	5.65
Acala 1517-70 .....	357 bcd	5.93	35.9	14.0	4.69
Paymaster 111A ....	341 bcde	7.37	35.6	14.5	4.99
Lankart 611 .....	338 bcde	7.49	37.2	14.0	4.58
Tamcot 788 .....	337 bcde	6.63	37.5	12.9	4.48
Coker 5110 .....	336 bcde	5.40	37.7	11.2	5.07
Coker 310 .....	327 bcde	4.89	38.5	11.6	4.97
Paymaster 202 .....	315 bcde	6.46	34.7	13.1	4.80
Lankart LX-571 ....	298 cdef	7.69	38.3	12.5	5.36
Lockett 4789A .....	283 ef	6.33	37.1	11.6	4.67
Stripper Cala-S ...	255 ef	6.31	34.9	12.7	4.42
Gregg 35 W .....	223 f	6.01	35.7	12.1	4.59
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	$R_d$	Hunter's <i>b</i> value		
Paymaster 909 .....	0.99	0.49	68.8	6.9	11.0
Tamcot Sp. 21 .....	1.00	.45	70.2	5.9	10.7
Deltapine 16 .....	1.11	.52	70.4	5.2	11.7
Lockett BXL .....	1.10	.52	67.8	5.7	12.1
Western 70A .....	1.06	.49	69.2	6.3	10.1
Paymaster 18 .....	.96	.49	68.8	6.0	10.1
Acala 1517-70 .....	1.12	.53	68.0	5.7	14.5
Paymaster 111A ....	1.04	.50	68.9	6.0	12.3
Lankart 611 .....	1.02	.48	68.1	6.2	10.4
Tamcot 788 .....	1.10	.53	69.5	5.9	13.3
Coker 5110 .....	1.10	.50	68.0	5.5	11.6
Coker 310 .....	1.09	.47	69.4	5.8	12.1
Paymaster 202 .....	1.01	.48	70.6	5.7	11.6
Lankart LX-571 ....	1.06	.50	68.3	6.1	10.4
Lockett 4789A .....	1.06	.50	68.5	6.1	11.4
Stripper Cala-S ...	1.05	.49	66.5	6.4	11.4
Gregg 35 W .....	1.14	.54	68.6	5.1	14.6

Table 74.--Plains test: Fiber data for Chillicothe, Tex. (dryland)

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Paymaster 909 .....	1.00	0.84	42.3	20.7	7.6
Tamcot Sp. 21 .....	1.01	.80	43.4	19.6	6.8
Deltapine 16 .....	1.18	.92	40.9	21.4	9.4
Lockett BXL .....	1.07	.87	43.8	20.9	7.2
Western 70A .....	1.02	.79	40.8	18.4	7.4
Paymaster 18 .....	.94	.78	43.0	18.5	6.5
Acala 1517-70 .....	1.17	.95	51.3	23.9	6.0
Paymaster 111A ....	1.08	.88	44.8	20.3	6.9
Lankart 611 .....	1.03	.82	39.3	19.2	8.3
Tamcot 788 .....	1.08	.85	50.6	23.1	5.4
Coker 5110 .....	1.07	.90	43.6	19.9	7.2
Coker 310 .....	1.15	.92	45.6	21.6	6.6
Paymaster 202 .....	1.00	.82	46.7	20.8	6.2
Lankart LX-571 ....	1.06	.86	37.8	19.1	7.9
Lockett 4789A .....	1.04	.81	45.1	20.8	7.3
Stripper Cala-S ...	1.04	.81	47.8	20.7	5.8
Gregg 35 W .....	1.17	.97	48.4	25.5	6.8



Table 75.--Plains test: Yield, boll, and spinning data for Mangum, Okla.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Lankart LX-571 ....	254 a	7.32	34.0	16.0	4.97
Lockett BXL .....	187 b	6.23	35.8	15.5	4.28
Lockett 4789A .....	182 bc	5.98	34.4	15.0	4.07
Tamcot 788 .....	178 bc	6.40	36.0	13.5	4.39
Paymaster 111A ....	175 bc	7.22	34.6	14.5	4.58
Western 70A .....	170 bc	5.72	35.7	12.5	4.28
Deltapine 16 .....	165 bc	5.36	35.1	13.0	4.60
Coker 310 .....	147 bcd	5.46	38.3	13.5	4.63
Stripper Cala-S ...	147 cd	6.20	32.0	14.0	4.38
Paymaster 202 .....	146 cd	6.84	34.5	15.0	4.87
Coker 5110 .....	146 cd	6.44	39.0	14.5	4.67
Acala 1517-70 .....	112 de	6.26	37.8	15.5	4.54
Paymaster 18 .....	96 e	5.30	34.6	13.5	5.92
Paymaster 909 .....	79 e	7.36	36.4	15.0	4.83
Gregg 35 W .....	76 e	6.12	38.7	15.5	4.28
	Span length (inches)		Colorimeter		Yarn tenacity
	2.5%	50%	$R_d$	Hunter's <i>b</i> value	(cN/tex)
Lankart LX-571 ....	1.13	0.55	71.5	6.8	11.1
Lockett BXL .....	1.16	.54	72.6	6.9	13.0
Lockett 4789A .....	1.15	.53	73.4	6.9	12.8
Tamcot 788 .....	1.16	.55	75.0	6.8	13.7
Paymaster 111A ....	1.10	.52	72.7	7.3	12.5
Western 70A .....	1.09	.50	71.7	6.6	10.9
Deltapine 16 .....	1.18	.54	74.4	7.3	11.8
Coker 310 .....	1.23	.56	70.9	7.4	13.0
Stripper Cala-S ...	1.13	.53	71.5	6.9	12.7
Paymaster 202 .....	1.05	.51	71.6	7.3	11.5
Coker 5110 .....	1.22	.57	70.3	7.0	12.7
Acala 1517-70 .....	1.22	.58	74.1	7.0	14.9
Paymaster 18 .....	.98	.49	68.3	7.6	10.5
Paymaster 909 .....	1.01	.49	69.4	7.5	10.5
Gregg 35 W .....	1.13	.54	69.4	6.7	13.6

Table 76.--Plains test: Fiber data for Mangum, Okla.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Lankart LX-571 .....	1.16	.96	38.1	19.7	7.8
Lockett BXL .....	1.22	1.01	41.0	21.2	7.6
Lockett 4789A .....	1.19	.98	41.7	22.0	7.4
Tamcot 788 .....	1.21	.98	47.0	23.6	6.1
Paymaster 111A .....	1.13	.91	43.0	20.5	7.4
Western 70A .....	1.11	.92	37.9	18.6	8.0
Deltapine 16 .....	1.22	1.00	39.1	21.5	8.9
Coker 310 .....	1.26	1.03	43.9	22.4	7.2
Stripper Cala-S ...	1.15	.92	44.4	20.7	6.6
Paymaster 202 .....	1.06	.90	40.7	20.5	7.3
Coker 5110 .....	1.26	1.04	40.7	20.6	7.6
Acala 1517-70 .....	1.25	1.04	48.3	25.4	6.5
Paymaster 18 .....	1.01	.86	44.2	20.6	6.6
Paymaster 909 .....	1.07	.92	38.1	19.1	7.9
Gregg 35 W .....	1.18	.99	45.5	22.9	7.8

# WESTERN REGIONAL COTTON VARIETY TEST

Table 77.--Western test: Yield, boll, and spinning data by cotton variety

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Deltapine 16 .....	1193 a	6.18 b	38.4 c	11.0 d	4.84 a
Coker 310 .....	1120 b	6.01 b	39.3 b	11.1 d	4.74 b
AZ-64 .....	1102 bc	5.97 b	40.1 a	11.9 c	4.71 b
Acala 1517V .....	1074 bc	6.55 a	37.2 d	13.1 a	4.37 d
Ariz. 6608 .....	1066 c	6.17 b	38.4 c	12.3 b	4.70 b
Acala 1517-70 .....	959 d	6.56 a	35.9 e	13.0 a	4.49 c
Lockett 4789A .....	748 e	6.43 a	36.3 e	12.1 bc	4.50 c
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	R <sub>d</sub>	Hunter's b value		
Deltapine 16 .....	1.15 c	0.53 d	75.9 a	6.8 c	11.1 g
Coker 310 .....	1.19 b	.54 cd	73.6 c	6.8 bc	11.9 e
AZ-64 .....	1.13 de	.53 d	73.1 c	6.9 bc	12.4 d
Acala 1517V .....	1.24 a	.60 a	75.0 b	6.9 bc	14.7 a
Ariz. 6608 .....	1.13 d	.55 b	71.9 d	6.9 bc	13.3 c
Acala 1517-70 .....	1.18 b	.55 bc	74.7 b	7.1 a	14.1 b
Lockett 4789A .....	1.12 e	.52 e	73.7 c	7.0 ab	11.5 f

Table 78.--Western test: Fiber data by cotton variety

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Deltapine 16 .....	1.17 c	0.95 d	38.3 e	18.9 g	8.5 a
Coker 310 .....	1.20 b	.98 bc	41.9 d	20.2 e	6.5 b
AZ-64 .....	1.15 d	.96 cd	44.2 c	21.2 d	6.6 b
Acala 1517V .....	1.26 a	1.07 a	46.8 b	23.9 a	6.2 c
Ariz. 6608 .....	1.16 c	.98 bc	46.9 b	22.3 c	6.1 c
Acala 1517-70 .....	1.20 b	1.00 b	49.1 a	22.9 b	5.6 d
Lockett 4789A .....	1.14 d	.95 d	41.4 d	19.4 f	6.7 b

Table 79.--Western test: Yield, boll, and spinning data by test location

Location	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Phoenix, Ariz. ....	1387 a	6.35 c	36.6 d	12.4 ab	4.79 a
Brawley, Calif. ...	1353 a	5.44 e	37.9 c	11.9 bc	4.71 ab
Marana, Ariz. ....	1178 b	6.10 d	39.9 a	11.5 cd	4.44 c
Safford, Ariz. ....	1090 bc	6.11 d	37.0 d	12.2 ab	4.58 bc
Las Cruces, N. Mex.	1052 c	6.90 a	38.8 b	12.8 a	4.62 abc
Artesia, N. Mex. ..	1050 c	6.55 b	38.8 b	12.5 ab	4.66 ab
El Paso, Tex. ....	694 d	6.34 c	38.0 c	12.2 ab	4.53 bc
Pahrump, Nev. ....	351 e	6.30 c	36.7 d	10.9 d	4.70 ab
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%		50%	R <sub>d</sub>	Hunter's b value	
Phoenix, Ariz. ....	1.16 bc	0.55 c	72.2 e	6.7 cd	12.9 cd
Brawley, Calif. ...	1.15 c	.54 c	74.5 bc	6.4 e	13.5 a
Marana, Ariz. ....	1.17 bc	.54 c	76.1 a	7.7 a	12.7 de
Safford, Ariz. ....	1.15 c	.53 c	72.2 e	6.9 bc	12.0 f
Las Cruces, N. Mex.	1.19 ab	.56 bc	73.9 c	7.1 b	12.5 e
Artesia, N. Mex. ..	1.22 a	.59 a	73.2 d	7.1 b	13.3 ab
El Paso, Tex. ....	1.20 ab	.57 ab	74.7 b	7.0 b	13.2 bc
Pahrump, Nev. ....	1.03 d	.45 d	75.2 b	6.5 de	11.0 g

Table 80.--Western test: Fiber data by test location

Location	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Phoenix, Ariz. ....	1.19 cd	0.97 c	44.8 bc	21.5 cd	6.0 d
Brawley, Calif. ...	1.19 cd	.98 c	48.0 a	22.7 a	5.7 e
Marana, Ariz. ....	1.18 d	.96 c	44.3 cd	21.2 d	6.6 c
Safford, Ariz. ....	1.13 e	.91 d	42.4 e	20.1 f	6.7 c
Las Cruces, N. Mex.	1.21 bc	1.03 b	41.3 f	20.5 e	6.8 c
Artesia, N. Mex. ..	1.24 a	1.07 a	42.4 e	22.1 b	7.6 a
El Paso, Tex. ....	1.22 ab	1.03 b	44.1 d	21.8 bc	7.2 b
Pahrump, Nev. ....	1.06 f	.88 e	45.0 b	19.7 f	6.1 d



Table 81.--Western test: Yield, boll, and spinning data for Brawley, Calif.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
AZ-64 .....	1712 a	5.49	40.9	11.7	4.78
Ariz. 6608 .....	1592 ab	5.15	39.4	11.8	4.78
Coker 310 .....	1555 ab	5.32	39.1	11.3	4.86
Deltapine 16 .....	1495 b	5.43	37.6	10.7	5.07
Acala 1517V .....	1092 c	5.72	36.9	12.7	4.33
Lockett 4789A .....	1073 c	5.67	36.5	11.9	4.79
Acala 1517-70 .....	952 c	5.33	35.0	13.2	4.38
		Span length (inches)		Colorimeter	
		2.5%	50%	$R_d$	Hunter's <i>b</i> value
AZ-64 .....	1.13		0.56	73.8	6.9
Ariz. 6608 .....	1.14		.55	73.8	6.8
Coker 310 .....	1.19		.55	74.0	6.2
Deltapine 16 .....	1.15		.53	75.3	5.8
Acala 1517V .....	1.21		.57	74.1	5.9
Lockett 4789A .....	1.09		.51	75.1	6.8
Acala 1517-70 .....	1.16		.54	75.4	6.4

Table 82.--Western test: Fiber data for Brawley, Calif.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)	$E_1$ (percent)
AZ-64 .....	1.17	0.96	48.8	23.1	5.8
Ariz. 6608 .....	1.19	1.00	51.1	23.7	5.3
Coker 310 .....	1.21	.98	45.1	21.2	5.6
Deltapine 16 .....	1.14	.91	43.1	19.6	7.3
Acala 1517V .....	1.28	1.09	49.9	25.5	5.7
Lockett 4789A .....	1.13	.93	45.8	20.9	5.7
Acala 1517-70 .....	1.20	1.00	52.5	24.8	4.9

Table 83.--Western test: Yield, boll, and spinning data for Phoenix, Ariz.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Ariz. 6608 .....	1592 a	6.23	36.7	12.6	4.85
AZ-64 .....	1574 a	6.43	38.4	12.1	4.82
Deltapine 16 .....	1556 a	6.23	38.0	10.9	5.03
Coker 310 .....	1425 b	6.10	37.7	11.5	4.98
Acala 1517-70 .....	1246 c	6.33	34.8	13.5	4.57
Acala 1517V .....	1244 c	6.48	34.9	13.7	4.51
Lockett 4789A .....	1071 d	6.70	35.8	12.3	4.79
		Span length (inches)		Colorimeter	
		2.5%	50%	R <sub>d</sub>	Hunter's b value
Ariz. 6608 .....	1.16		0.57	70.6	6.8
AZ-64 .....	1.15		.55	72.9	6.9
Deltapine 16 .....	1.16		.53	73.5	6.4
Coker 310 .....	1.16		.52	72.1	6.5
Acala 1517-70 .....	1.20		.58	72.0	6.9
Acala 1517V .....	1.23		.60	72.6	6.7
Lockett 4789A .....	1.08		.50	71.9	6.9

Table 84.--Western test: Fiber data for Phoenix, Ariz.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Ariz. 6608 .....	1.19	0.95	48.2	22.6	5.7
AZ-64 .....	1.17	.96	44.6	21.2	6.3
Deltapine 16 .....	1.19	.95	38.8	19.3	7.6
Coker 310 .....	1.21	.99	43.2	20.4	5.7
Acala 1517-70 .....	1.20	.98	49.5	23.6	5.3
Acala 1517V .....	1.28	1.07	47.0	24.1	5.8
Lockett 4789A .....	1.12	.90	42.6	19.4	5.9

Table 85.--Western test: Yield, boll, and spinning data for Marana, Ariz.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Deltapine 16 .....	1454 a	5.89	40.7	10.5	4.64
Acala 1517V .....	1380 ab	6.41	39.2	12.3	4.35
Acala 1517-70 .....	1239 bc	6.40	37.7	12.1	4.47
Coker 310 .....	1215 bc	6.03	41.3	10.6	4.37
AZ-64 .....	1203 bc	5.85	41.6	11.7	4.43
Ariz. 6608 .....	1049 c	5.97	40.4	11.7	4.52
Lockett 4789A .....	709 d	6.17	38.4	11.4	4.31
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%		50%	$R_d$	Hunter's <i>b</i> value	
Deltapine 16 .....	1.17	0.52	78.4	7.6	11.1
Acala 1517V .....	1.23	.59	76.4	7.7	14.6
Acala 1517-70 .....	1.17	.53	76.7	8.0	14.1
Coker 310 .....	1.21	.53	76.2	7.6	11.9
AZ-64 .....	1.13	.52	75.5	8.0	12.3
Ariz. 6608 .....	1.16	.56	74.3	7.8	13.5
Lockett 4789A .....	1.13	.54	75.6	7.7	11.7

Table 86.--Western test: Fiber data for Marana, Ariz.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)	$E_1$ (percent)
Deltapine 16 .....	1.18	0.94	38.4	19.2	8.6
Acala 1517V .....	1.25	1.05	47.4	24.0	6.3
Acala 1517-70 .....	1.19	.96	50.0	23.2	5.6
Coker 310 .....	1.20	.94	41.7	20.0	6.4
AZ-64 .....	1.15	.94	44.8	21.2	6.5
Ariz. 6608 .....	1.18	1.00	46.6	22.2	6.4
Lockett 4789A .....	1.15	.92	41.5	18.8	6.7

Table 87.--Western test: Yield, boll, and spinning data for Safford, Ariz.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Deltapine 16 .....	1271 a	6.07	37.8	11.2	4.69
Coker 310 .....	1194 ab	5.95	37.7	11.2	4.73
AZ-64 .....	1144 b	6.04	38.9	12.3	4.81
Acala 1517V .....	1119 b	6.55	36.8	13.4	4.26
Ariz. 6608 .....	1101 b	6.00	37.7	12.5	4.68
Acala 1517-70 .....	1085 b	6.38	35.8	12.9	4.44
Lockett 4789A .....	722 c	5.82	34.4	12.2	4.47
		Span length (inches)		Colorimeter	
		2.5%	50%	$R_d$	Hunter's b value
Deltapine 16 .....	1.13		0.54	73.4	6.7
Coker 310 .....	1.16		.53	70.4	6.8
AZ-64 .....	1.12		.51	71.9	6.9
Acala 1517V .....	1.24		.60	73.6	6.9
Ariz. 6608 .....	1.13		.55	70.3	7.2
Acala 1517-70 .....	1.17		.53	72.6	7.0
Lockett 4789A .....	1.10		.50	73.2	7.0

Table 88.--Western test: Fiber data for Safford, Ariz.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)	$E_1$ (percent)
Deltapine 16 .....	1.14	0.92	36.5	18.1	8.8
Coker 310 .....	1.15	.91	39.2	19.3	6.3
AZ-64 .....	1.11	.91	43.0	19.4	6.7
Acala 1517V .....	1.21	.99	44.7	22.2	6.4
Ariz. 6608 .....	1.12	.92	46.6	20.7	6.2
Acala 1517-70 .....	1.13	.88	47.3	22.5	5.8
Lockett 4789A .....	1.09	.87	39.9	18.4	6.7



Table 89.--Western test: Yield, boll, and spinning data for Artesia, N. Mex.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Deltapine 16 .....	1212 a	6.38	40.0	11.4	4.93
Coker 310 .....	1195 ab	6.53	41.0	11.6	4.87
Ariz. 6608 .....	1084 bc	6.40	39.9	12.9	4.88
AZ-64 .....	1050 c	5.90	41.5	12.0	4.70
Acala 1517V .....	1028 cd	6.93	37.1	13.3	4.42
Lockett 4789A .....	923 de	6.65	37.3	12.4	4.43
Acala 1517-70 .....	857 e	7.05	34.5	13.9	4.40
	Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)
	2.5%	50%	$R_d$	Hunter's <i>b</i> value	
Deltapine 16 .....	1.19	0.57	75.7	7.2	11.7
Coker 310 .....	1.24	.58	72.3	7.0	13.0
Ariz. 6608 .....	1.15	.57	70.1	7.0	13.2
AZ-64 .....	1.22	.59	72.5	7.1	13.0
Acala 1517V .....	1.29	.65	75.5	7.0	15.3
Lockett 4789A .....	1.18	.57	72.4	7.1	12.0
Acala 1517-70.....	1.26	.61	73.8	7.6	15.3

Table 90.--Western test: Fiber data for Artesia, N. Mex.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)	$E_1$ (percent)
Deltapine 16 .....	1.23	1.01	36.5	19.4	9.9
Coker 310 .....	1.26	1.06	41.1	21.0	7.7
Ariz. 6608 .....	1.18	1.05	44.0	23.1	6.7
AZ-64 .....	1.20	1.04	42.0	21.6	7.5
Acala 1517V .....	1.32	1.16	45.9	25.4	6.8
Lockett 4789A .....	1.21	1.07	39.6	20.1	7.9
Acala 1517-70 .....	1.30	1.13	47.6	23.8	6.6

Table 91.--Western test: Yield, boll, and spinning data for Las Cruces, N. Mex.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Coker 310 .....	1199 a	6.67	40.5	11.9	4.95
Acala 1517V .....	1130 ab	7.34	38.9	13.3	4.48
Deltapine 16 .....	1130 ab	6.86	38.8	12.3	4.96
Acala 1517-70 .....	1126 ab	7.48	38.2	13.6	4.53
AZ-64 .....	999 b	6.30	39.9	12.7	4.40
Ariz. 6608 .....	965 bc	6.62	38.9	13.0	4.56
Lockett 4789A .....	818 c	7.07	36.7	12.8	4.44
		Span length (inches)		Colorimeter	
		2.5%	50%	$R_d$	Hunter's <i>b</i> value
Coker 310 .....	1.24		0.57	74.0	7.3
Acala 1517V .....	1.22		.58	75.6	6.8
Deltapine 16 .....	1.19		.55	75.6	7.3
Acala 1517-70 .....	1.20		.55	75.3	7.5
AZ-64 .....	1.16		.54	71.1	6.8
Ariz. 6608 .....	1.18		.57	71.8	6.9
Lockett 4789A .....	1.16		.54	74.1	7.0

Table 92.--Western test: Fiber data for Las Cruces, N. Mex.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)	$E_1$ (percent)
Coker 310 .....	1.24	1.05	40.5	20.2	6.8
Acala 1517V .....	1.26	1.10	43.0	22.7	6.6
Deltapine 16 .....	1.22	1.05	35.3	17.4	9.0
Acala 1517-70 .....	1.25	1.06	47.3	21.7	5.8
AZ-64 .....	1.16	.97	41.2	20.5	6.2
Ariz. 6608 .....	1.19	1.02	44.6	22.3	6.2
Lockett 4789A .....	1.17	.99	37.4	18.6	7.5

Table 93.--Western test: Yield, boll, and spinning data for El Paso, Tex.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Deltapine 16 .....	897 a	6.03	39.5	10.9	4.61
AZ-64 .....	743 b	6.18	39.5	12.2	4.63
Ariz. 6608 .....	712 b	6.93	37.6	12.9	4.70
Coker 310 .....	710 b	6.04	40.1	10.9	4.54
Acala 1517-70 .....	670 b	6.58	36.6	13.1	4.48
Acala 1517V .....	656 b	6.42	36.6	12.9	4.27
Lockett 4789A .....	466 c	6.65	36.2	13.0	4.51
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%		50%	$R_d$	Hunter's <i>b</i> value	
Deltapine 16 .....	1.18	0.56	77.5	7.1	11.8
AZ-64 .....	1.16	.56	73.4	6.7	12.8
Ariz. 6608 .....	1.17	.60	73.5	7.0	13.8
Coker 310 .....	1.23	.58	74.2	7.0	12.4
Acala 1517-70 .....	1.22	.58	74.9	7.1	14.4
Acala 1517V .....	1.25	.59	77.2	7.3	14.9
Lockett 4789A .....	1.16	.55	72.2	7.1	12.1

Table 94.--Western test: Fiber data for El Paso, Tex.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)	$E_1$ (percent)
Deltapine 16 .....	1.22	1.02	37.3	19.9	9.8
AZ-64 .....	1.22	1.05	43.4	22.1	7.5
Ariz. 6608 .....	1.22	1.04	47.1	23.5	6.9
Coker 310 .....	1.24	1.03	41.6	21.1	7.1
Acala 1517-70 .....	1.25	1.03	48.5	23.0	6.0
Acala 1517V .....	1.26	1.04	49.9	23.3	6.0
Lockett 4789A .....	1.19	1.01	41.2	20.2	7.2

Table 95.--Western test: Yield, boll, and spinning data for Pahrump, Nev.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Coker 310 .....	450 a	5.48	37.0	10.0	4.50
Ariz. 6608 .....	392 a	6.44	37.0	11.0	4.63
Deltapine 16 .....	369 ab	6.58	35.0	10.5	4.90
Acala 1517-70 .....	362 ab	6.98	35.0	12.0	4.64
AZ-64 .....	307 ab	5.58	40.5	11.0	5.12
Lockett 4789A .....	228 b	6.74	35.5	11.0	4.10
		Span length (inches)		Colorimeter	
		2.5%	50%	$R_d$	Hunter's <i>b</i> value
Coker 310 .....	1.07		0.44	75.4	6.5
Ariz. 6608 .....	1.00		.44	71.3	6.0
Deltapine 16 .....	1.07		.47	78.2	6.5
Acala 1517-70 .....	1.07		.46	77.3	6.8
AZ-64 .....	.98		.44	73.8	6.3
Lockett 4789A .....	1.02		.44	75.5	6.8
					10.5

Table 96.--Western test: Fiber data for Pahrump, Nev.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)	$E_1$ (percent)
Coker 310 .....	1.07	0.89	42.7	18.9	6.2
Ariz. 6608 .....	1.04	.88	47.5	20.2	5.4
Deltapine 16 .....	1.06	.77	40.4	18.6	7.6
Acala 1517-70 .....	1.12	.95	50.4	21.2	5.4
AZ-64 .....	1.02	.89	45.6	20.4	6.5
Lockett 4789A .....	1.06	.90	43.6	19.2	5.9



# SAN JOAQUIN VALLEY CONTINUOUS COTTON VARIETY TEST

Table 97.--San Joaquin test: Yield, boll, and spinning data by cotton variety

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Acala SJ-2 .....	1083 a	7.29 a	36.9 b	13.8 a	4.25 bc
T 4852 .....	1078 a	7.26 a	38.4 a	12.7 c	4.28 b
Acala SJ-3 .....	1071 a	7.38 a	38.0 a	13.2 b	4.51 a
Acala SJ-1 .....	1021 b	7.20 a	36.0 c	13.9 a	4.26 b
Deltapine 16 .....	981 c	6.13 c	37.9 a	11.1 e	4.06 cd
Coker 310 .....	975 cd	6.01 c	38.6 a	11.2 e	3.90 de
Acala 1517-70 .....	955 d	6.64 b	35.7 c	12.9 bc	3.85 e
Lockett 4789A .....	705 e	6.07 c	36.3 bc	12.2 d	3.72 e
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%		50%	R <sub>d</sub>	Hunter's b value	
Acala SJ-2 .....	1.15 bc	0.52 b	74.6 cd	7.3 ab	13.3 e
T 4852 .....	1.15 bc	.53 b	75.4 ab	7.3 ab	14.4 b
Acala SJ-3 .....	1.13 d	.54 a	73.8 e	7.3 a	13.8 c
Acala SJ-1 .....	1.16 b	.53 b	74.0 e	7.3 ab	13.6 d
Deltapine 16 .....	1.14 c	.48 d	76.0 a	7.1 c	11.5 h
Coker 310 .....	1.16 b	.48 d	75.0 bc	7.2 bc	11.9 f
Acala 1517-70 .....	1.17 a	.51 c	74.4 de	7.3 ab	14.8 a
Lockett 4789A .....	1.09 e	.47 e	74.0 e	7.2 bc	11.7 g

Table 98.--San Joaquin test: Fiber data by cotton variety

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Acala SJ-2 .....	1.20 b	1.00 b	46.0 d	22.3 c	6.0 de
T 4852 .....	1.20 ab	1.00 bc	48.3 b	23.9 a	6.1 cde
Acala SJ-3 .....	1.19 c	1.02 a	46.1 d	22.9 b	6.2 c
Acala SJ-1 .....	1.21 ab	.99 bc	47.0 c	22.6 bc	5.9 e
Deltapine 16 .....	1.18 c	.94 d	39.5 f	19.3 e	7.9 a
Coker 310 .....	1.19 c	.93 d	43.0 e	20.2 d	6.2 cd
Acala 1517-70 .....	1.21 a	.98 c	50.6 a	23.6 a	5.5 f
Lockett 4789A .....	1.13 d	.90 e	43.1 e	19.7 e	6.5 b

Table 99.--San Joaquin test: Yield, boll, and spinning data by test location

Location	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Coalinga, Calif. ..	1215 a	6.91 a	36.2 ef	12.4 c	3.94 bc
Wasco, Calif. ....	1163 ab	7.10 a	38.0 abc	12.6 bc	4.09 bc
Corcoran, Calif. ..	1119 bc	6.92 a	38.9 a	11.9 de	4.17 abc
Kerman, Calif. ....	1119 bc	6.29 c	38.3 ab	12.4 cd	4.16 abc
Firebaugh, Calif. .	1066 c	7.12 a	36.8 de	13.1 b	4.14 abc
Arvin, Calif. ....	877 d	7.07 a	36.5 de	13.7 a	4.46 a
Dinuba, Calif. ....	842 de	6.91 a	37.3 cd	12.6 bc	4.23 ab
Chowchilla, Calif..	792 e	6.60 b	35.3 f	13.0 b	3.90 bc
Tulare, Calif. ....	659 f	5.78 d	37.8 bc	11.9 e	3.85 c
		Span length (inches)		Colorimeter	
		2.5%	50%	R <sub>d</sub>	Hunter's b value
Coalinga, Calif. ..	1.16 ab		0.51 abc	76.2 ab	7.6 a
Wasco, Calif. ....	1.13 c		.50 d	72.9 d	7.3 c
Corcoran, Calif. ..	1.14 c		.50 d	74.1 c	7.1 d
Kerman, Calif. ....	1.13 c		.50 cd	75.9 ab	7.1 d
Firebaugh, Calif. .	1.17 a		.52 ab	77.0 a	7.1 d
Arvin, Calif. ....	1.15 b		.52 a	72.5 d	7.7 a
Dinuba, Calif. ....	1.13 c		.51 abcd	75.1 bc	7.8 a
Chowchilla, Calif..	1.16 b		.51 bcd	71.7 d	6.4 e
Tulare, Calif. ....	1.10 d		.48 e	76.5 a	7.5 b

Table 100.--San Joaquin test: Fiber data by test location

Location	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Coalinga, Calif. ..	1.21 a	0.98 abc	44.0 ef	21.8 b	6.5 b
Wasco, Calif. ....	1.17 c	.98 abc	44.6 def	21.2 c	6.7 a
Corcoran, Calif. ..	1.19 b	.96 cde	45.8 bcd	21.3 c	5.9 d
Kerman, Calif. ....	1.19 b	.97 bcd	43.5 f	21.9 b	6.6 ab
Firebaugh, Calif. .	1.22 a	.98 ab	46.0 abc	22.1 b	6.5 b
Arvin, Calif. ....	1.19 b	1.00 a	45.8 bcd	22.0 b	6.5 b
Dinuba, Calif. ....	1.18 bc	.96 bcde	46.9 ab	22.0 b	5.8 d
Chowchilla, Calif..	1.19 b	.95 de	45.1 cde	21.3 c	6.2 c
Tulare, Calif. ....	11.6 c	.94 e	47.1 a	22.7 a	5.8 d

Table 101.--San Joaquin test: Yield, boll, and spinning data for Coalinga, Calif.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
T 4852 .....	1400 a	7.62	37.2	12.3	4.10
Acala SJ-3 .....	1374 a	7.62	36.2	12.9	4.36
Acala SJ-2 .....	1341 ab	7.52	36.8	13.7	4.12
Acala 1517-70 .....	1257 bc	6.65	34.9	12.3	3.74
Acala SJ-1 .....	1253 bc	6.98	35.6	13.6	4.08
Coker 310 .....	1161 cd	6.52	36.8	11.4	3.69
Deltapine 16 .....	1123 d	6.11	36.7	11.3	3.73
Lockett 4789A .....	811 e	6.35	35.2	12.0	3.71
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%		50%	$R_d$	Hunter's <i>b</i> value	
T 4852 .....	1.17	0.53	76.6	7.7	14.3
Acala SJ-3 .....	1.16	.55	76.0	7.5	13.8
Acala SJ-2 .....	1.18	.54	76.0	7.7	13.4
Acala 1517-70 .....	1.19	.53	74.7	7.5	14.7
Acala SJ-1 .....	1.20	.55	74.4	7.6	13.7
Coker 310 .....	1.19	.50	77.1	7.6	12.0
Deltapine 16 .....	1.14	.48	76.0	7.0	11.9
Lockett 4789A .....	1.10	.47	77.0	7.9	11.5

Table 102.--San Joaquin test: Fiber data for Coalinga, Calif.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)	$E_1$ (percent)
T 4852 .....	1.23	1.00	46.5	24.1	6.3
Acala SJ-3 .....	1.23	1.07	44.6	23.0	6.3
Acala SJ-2 .....	1.25	1.02	44.0	21.8	6.3
Acala 1517-70 .....	1.24	.99	49.7	23.6	5.8
Acala SJ-1 .....	1.24	1.00	45.2	22.6	6.3
Coker 310 .....	1.20	.93	41.8	20.8	6.4
Deltapine 16 .....	1.20	.94	39.4	19.1	7.3
Lockett 4789A .....	1.13	.90	41.2	19.7	6.6

Table 103.--San Joaquin test: Yield, boll, and spinning data for Wasco, Calif.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Acala SJ-2 .....	1265 a	7.67	38.2	13.5	4.12
Acala SJ-3 .....	1240 a	7.40	40.1	12.6	4.47
Acala SJ-1 .....	1235 a	7.97	36.2	13.8	4.27
T 4852 .....	1220 a	7.44	38.3	12.7	4.38
Coker 310 .....	1217 a	6.52	38.2	11.8	3.90
Acala 1517-70 .....	1121 b	6.90	37.0	12.9	3.89
Deltapine 16 .....	1118 b	6.62	38.7	11.3	3.97
Lockett 4789A .....	889 c	6.28	37.4	12.3	3.73
		Span length (inches)		Colorimeter	
		2.5%	50%	$R_d$	Hunter's <i>b</i> value
Acala SJ-2 .....	1.15		0.51	72.9	7.3
Acala SJ-3 .....	1.12		.52	72.2	7.6
Acala SJ-1 .....	1.14		.51	72.1	7.3
T 4852 .....	1.13		.51	74.4	7.3
Coker 310 .....	1.14		.48	72.8	7.2
Acala 1517-70 .....	1.16		.52	72.6	7.2
Deltapine 16 .....	1.16		.51	74.0	7.1
Lockett 4789A .....	1.09		.47	72.0	7.2

Table 104.--San Joaquin test: Fiber data for Wasco, Calif.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)	$E_1$ (percent)
Acala SJ-2 .....	1.20	1.05	45.8	21.7	6.7
Acala SJ-3 .....	1.16	1.01	44.0	21.1	7.1
Acala SJ-1 .....	1.18	1.01	45.3	21.8	6.4
T 4852 .....	1.16	.98	45.5	22.7	6.7
Coker 310 .....	1.16	.92	41.8	19.2	6.5
Acala 1517-70 .....	1.19	.99	50.1	23.2	5.7
Deltapine 16 .....	1.20	.96	37.9	19.3	8.4
Lockett 4789A .....	1.15	.92	46.8	20.8	6.7



Table 105.--San Joaquin test: Yield, boll, and spinning data for Kerman, Calif.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Acala SJ-2 .....	1256 a	6.70	37.8	14.2	4.37
Acala SJ-1 .....	1164 b	7.00	37.3	14.2	4.40
Coker 310 .....	1153 b	5.36	40.4	10.3	3.98
T 4852 .....	1143 b	7.06	39.6	12.4	4.20
Acala SJ-3 .....	1130 b	7.14	38.3	13.3	4.59
Deltapine 16 .....	1123 b	5.74	38.8	10.1	4.03
Acala 1517-70 .....	1085 b	5.96	36.8	11.8	3.77
Lockett 4789A .....	898 c	5.35	37.3	12.7	3.93
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%		50%	$R_d$	Hunter's <i>b</i> value	
Acala SJ-2 .....	1.16	0.53	75.5	7.0	13.5
Acala SJ-1 .....	1.16	.53	75.3	7.1	13.5
Coker 310 .....	1.15	.49	76.4	7.0	12.2
T 4852 .....	1.13	.52	76.5	7.2	14.2
Acala SJ-3 .....	1.11	.54	75.0	7.2	13.6
Deltapine 16 .....	1.11	.48	77.0	7.0	11.3
Acala 1517-70 .....	1.16	.50	75.5	7.2	14.8
Lockett 4789A .....	1.09	.46	76.3	7.0	12.0

Table 106.--San Joaquin test: Fiber data for Kerman, Calif.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)	$E_1$ (percent)
Acala SJ-2 .....	1.22	1.02	43.0	22.4	6.5
Acala SJ-1 .....	1.21	1.01	45.1	22.6	6.3
Coker 310 .....	1.21	.97	41.8	20.9	6.4
T 4852 .....	1.19	.97	45.3	23.7	6.2
Acala SJ-3 .....	1.16	.99	44.2	22.4	6.4
Deltapine 16 .....	1.18	.92	39.3	19.8	8.4
Acala 1517-70 .....	1.22	1.00	47.8	24.7	5.9
Lockett 4789A .....	1.14	.92	41.9	19.3	6.8

Table 107.--San Joaquin test: Yield, boll, and spinning data for Corcoran, Calif.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Acala SJ-2 .....	1219 a	7.87	38.1	12.9	4.54
Acala SJ-3 .....	1205 a	7.79	39.4	12.0	4.58
T 4852 .....	1205 a	6.95	39.4	12.0	4.47
Acala SJ-1 .....	1194 ab	6.97	37.4	13.5	4.49
Deltapine 16 .....	1183 ab	6.20	40.5	10.6	3.87
Coker 310 .....	1124 b	6.17	41.4	10.9	3.82
Acala 1517-70 .....	974 c	7.31	36.9	12.5	3.94
Lockett 4789A .....	852 d	6.12	37.7	11.1	3.70
		Span length (inches)		Colorimeter	
		2.5%	50%	R <sub>d</sub>	Hunter's b value
Acala SJ-2 .....	1.16		0.53	74.3	7.2
Acala SJ-3 .....	1.13		.54	73.2	7.3
T 4852 .....	1.14		.52	74.2	7.2
Acala SJ-1 .....	1.14		.52	73.4	7.2
Deltapine 16 .....	1.14		.48	76.0	7.0
Coker 310 .....	1.15		.47	74.4	7.2
Acala 1517-70 .....	1.15		.48	74.4	7.1
Lockett 4789A .....	1.11		.48	72.9	6.8

Table 108.--San Joaquin test: Fiber data for Corcoran, Calif.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Acala SJ-2 .....	1.21	1.00	46.4	21.3	5.6
Acala SJ-3 .....	1.19	1.02	46.4	22.2	5.7
T 4852 .....	1.20	.98	49.4	23.4	5.9
Acala SJ-1 .....	1.21	1.00	46.0	21.9	5.5
Deltapine 16 .....	1.18	.93	39.6	18.7	7.3
Coker 310 .....	1.18	.90	44.7	20.4	5.8
Acala 1517-70 .....	1.21	.96	52.2	23.5	5.3
Lockett 4789A .....	1.14	.88	41.7	19.0	6.3

Table 109.--San Joaquin test: Yield, boll, and spinning data for Firebaugh, Calif.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Acala SJ-2 .....	1201 a	7.79	37.0	14.8	4.43
Acala SJ-3 .....	1152 ab	8.07	37.8	13.5	4.52
T 4852 .....	1131 b	7.32	36.6	13.0	4.25
Acala SJ-1 .....	1106 bc	7.44	36.7	14.2	4.36
Deltapine 16 .....	1104 bc	6.42	36.6	11.5	3.79
Acala 1517-70 .....	1042 cd	7.21	34.8	13.3	4.05
Coker 310 .....	1018 d	6.10	38.7	11.3	3.95
Lockett 4789A .....	776 e	6.66	36.7	12.8	3.80
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%		50%	$R_d$	Hunter's b value	
Acala SJ-2 .....	1.15	0.52	76.8	7.2	13.4
Acala SJ-3 .....	1.16	.55	76.1	7.1	13.8
T 4852 .....	1.18	.56	77.4	6.9	14.7
Acala SJ-1 .....	1.17	.53	76.0	7.1	13.6
Deltapine 16 .....	1.20	.50	78.8	7.0	11.7
Acala 1517-70 .....	1.22	.52	76.8	7.2	15.0
Coker 310 .....	1.21	.51	77.5	7.0	12.1
Lockett 4789A .....	1.11	.49	76.9	7.1	11.9

Table 110.--San Joaquin test: Fiber data for Firebaugh, Calif.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)	$E_1$ (percent)
Acala SJ-2 .....	1.22	0.99	47.3	23.0	6.1
Acala SJ-3 .....	1.21	1.03	46.6	23.5	6.6
T 4852 .....	1.24	1.02	49.0	24.5	6.3
Acala SJ-1 .....	1.23	1.01	48.4	23.4	6.0
Deltapine 16 .....	1.21	.94	39.0	19.6	8.1
Acala 1517-70 .....	1.25	.99	51.8	23.5	5.8
Coker 310 .....	1.24	.97	42.8	19.8	6.3
Lockett 4789A .....	1.15	.93	43.1	19.3	6.7

Table 111.--San Joaquin test: Yield, boll, and spinning data for Arvin, Calif.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Coker 310 .....	983 a	5.92	37.8	12.3	4.62
Acala SJ-2 .....	943 ab	7.76	36.4	14.6	4.53
T 4852 .....	920 bc	7.56	37.8	13.8	4.50
Deltapine 16 .....	914 bc	6.64	37.1	12.3	4.42
Acala SJ-3 .....	881 cd	7.42	36.4	14.5	4.79
Acala SJ-1 .....	864 d	8.12	35.5	15.4	4.46
Acala 1517-70 .....	846 d	6.81	35.6	14.4	4.34
Lockett 4789A .....	665 e	6.37	35.7	12.6	4.05
		Span length (inches)		Colorimeter	
		2.5%	50%	$R_d$	Hunter's $b$ value
Coker 310 .....	1.15		0.49	73.2	7.8
Acala SJ-2 .....	1.18		.55	72.1	7.7
T 4852 .....	1.18		.55	73.8	7.6
Deltapine 16 .....	1.14		.49	73.6	7.3
Acala SJ-3 .....	1.14		.55	72.1	7.7
Acala SJ-1 .....	1.18		.56	71.9	7.8
Acala 1517-70 .....	1.18		.52	71.3	7.8
Lockett 4789A .....	1.09		.48	71.9	7.7

Table 112.--San Joaquin test: Fiber data for Arvin, Calif.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)	$E_1$ (percent)
Coker 310 .....	1.18	0.97	43.0	20.1	6.5
Acala SJ-2 .....	1.21	1.03	46.6	22.7	6.2
T 4852 .....	1.23	1.05	49.8	24.4	6.4
Deltapine 16 .....	1.19	.98	38.9	19.2	8.1
Acala SJ-3 .....	1.20	1.05	46.4	23.3	6.4
Acala SJ-1 .....	1.21	1.00	48.2	23.1	6.2
Acala 1517-70 .....	1.23	1.02	51.1	24.1	5.5
Lockett 4789A .....	1.12	.94	42.9	19.5	6.6



Table 113.--San Joaquin test: Yield, boll, and spinning data for Chowchilla, Calif.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Acala SJ-3 .....	967 a	6.89	36.6	13.0	4.29
T 4852 .....	965 a	7.12	37.2	13.0	3.94
Acala SJ-2 .....	895 b	7.45	34.3	14.6	3.95
Acala SJ-1 .....	848 bc	7.25	34.7	14.7	4.00
Acala 1517-70 .....	833 c	6.41	33.5	13.0	3.31
Deltapine 16 .....	718 d	6.19	36.1	11.1	5.09
Coker 310 .....	714 d	6.16	35.8	11.8	3.32
Lockett 4789A .....	400 e	5.34	34.5	13.0	3.29
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%		50%	R <sub>d</sub>	Hunter's b value	
Acala SJ-3 .....	1.15	0.55	69.2	6.6	13.8
T 4852 .....	1.17	.53	73.5	6.8	14.8
Acala SJ-2 .....	1.15	.51	72.0	6.3	13.1
Acala SJ-1 .....	1.19	.54	70.9	6.2	13.4
Acala 1517-70 .....	1.17	.51	73.4	6.6	14.5
Deltapine 16 .....	1.15	.48	71.6	6.2	11.5
Coker 310 .....	1.19	.49	73.4	6.1	12.0
Lockett 4789A .....	1.11	.47	69.6	6.2	11.5

Table 114.--San Joaquin test: Fiber data for Chowchilla, Calif.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Acala SJ-3 .....	1.21	1.03	45.0	22.2	6.0
T 4852 .....	1.20	.99	48.2	23.8	5.8
Acala SJ-2 .....	1.19	.97	46.5	21.9	5.8
Acala SJ-1 .....	1.23	.99	46.3	21.8	5.6
Acala 1517-70 .....	1.20	.93	49.5	22.5	5.3
Deltapine 16 .....	1.19	.95	40.0	18.8	7.9
Coker 310 .....	1.19	.92	43.5	19.6	6.1
Lockett 4789A .....	1.12	.86	42.4	20.2	6.9

Table 115.--San Joaquin test: Yield, boll, and spinning data for Dinuba, Calif.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Acala SJ-3 .....	918 a	7.64	38.9	13.7	4.67
T 4852 .....	917 a	7.65	38.8	12.7	4.47
Acala SJ-2 .....	903 a	6.94	36.5	13.5	4.26
Deltapine 16 .....	873 ab	6.38	38.7	11.2	4.13
Coker 310 .....	866 ab	5.98	40.1	11.1	4.16
Acala SJ-1 .....	840 bc	7.19	34.0	13.5	4.27
Acala 1517-70 .....	803 c	6.52	35.5	13.0	4.01
Lockett 4789A .....	617 d	7.01	35.8	12.3	3.89
		Span length (inches)		Colorimeter	
		2.5%	50%	$R_d$	Hunter's <i>b</i> value
Acala SJ-3 .....	1.13		0.54	74.7	7.8
T 4852 .....	1.14		.53	75.8	7.7
Acala SJ-2 .....	1.14		.52	75.7	7.7
Deltapine 16 .....	1.12		.48	76.5	7.7
Coker 310 .....	1.15		.50	74.2	7.8
Acala SJ-1 .....	1.14		.53	75.7	7.7
Acala 1517-70 .....	1.18		.53	74.6	7.9
Lockett 4789A .....	1.08		.48	73.9	7.9

Table 116.--San Joaquin test: Fiber data for Dinuba, Calif.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)	$E_1$ (percent)
Acala SJ-3 .....	1.19	1.00	49.2	24.4	5.8
T 4852 .....	1.21	1.00	50.7	24.1	5.6
Acala SJ-2 .....	1.18	.96	47.3	22.0	5.6
Deltapine 16 .....	1.18	.93	40.3	19.9	7.6
Coker 310 .....	1.18	.92	43.7	19.7	5.7
Acala SJ-1 .....	1.18	.97	49.2	23.2	5.5
Acala 1517-70 .....	1.20	1.00	51.6	23.0	5.1
Lockett 4789A .....	1.13	.89	43.5	19.7	6.0

Table 117.--San Joaquin test: Yield, boll, and spinning data for Tulare, Calif.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
T 4852 .....	803 a	6.61	40.7	12.4	4.20
Acala SJ-3 .....	771 a	6.47	38.0	13.0	4.37
Acala SJ-2 .....	722 b	5.92	37.3	12.8	3.97
Acala SJ-1 .....	687 b	5.86	36.9	12.6	4.06
Deltapine 16 .....	678 bc	4.89	38.3	10.3	3.58
Acala 1517-70 .....	635 c	6.01	36.4	12.9	3.63
Coker 310 .....	537 d	5.36	38.5	10.3	3.64
Lockett 4789A .....	441 e	5.18	36.7	10.9	3.39
		Span length (inches)		Colorimeter	
		2.5%	50%	$R_d$	Hunter's b value
T 4852 .....	1.12		0.51	77.1	7.5
Acala SJ-3 .....	1.09		.51	75.9	7.6
Acala SJ-2 .....	1.10		.50	76.5	7.5
Acala SJ-1 .....	1.12		.49	76.5	7.6
Deltapine 16 .....	1.10		.45	78.3	7.3
Acala 1517-70 .....	1.15		.50	76.4	7.7
Coker 310 .....	1.11		.45	76.5	7.5
Lockett 4789A .....	1.06		.45	75.2	7.2

Table 118.--San Joaquin test: Fiber data for Tulare, Calif.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)	$E_1$ (percent)
T 4852 .....	1.19	1.00	50.2	24.5	5.5
Acala SJ-3 .....	1.16	.96	48.4	24.5	5.5
Acala SJ-2 .....	1.17	.96	47.7	23.8	5.5
Acala SJ-1 .....	1.19	.98	49.3	23.3	5.7
Deltapine 16 .....	1.15	.89	41.7	20.0	7.7
Acala 1517-70 .....	1.20	.97	51.5	24.7	5.1
Coker 310 .....	1.16	.92	44.1	21.1	5.9
Lockett 4789A .....	1.11	.89	44.2	19.8	5.8

# HIGH-QUALITY REGIONAL COTTON VARIETY TEST

Table 119.--High-quality test: Yield, boll, and spinning data by cotton variety

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
McNair 2-520 .....	900 a	6.06 c	40.1 ef	11.1 fgh	4.55 de
Mo. 63-277BR .....	861 ab	6.33 b	39.6 gh	11.5 de	4.00 h
Coker 310 .....	842 abc	5.94 cde	40.7 cd	10.8 i	4.42 ef
Coker 11067 .....	837 abc	6.42 b	40.2 ef	11.1 fgh	4.41 efg
La Dass 5175 .....	820 abcd	5.43 hi	41.0 bc	10.6 j	4.48 def
Deltapine 16 .....	816 abcd	6.03 c	39.8 fg	10.8 i	4.48 def
PD 9223 .....	812 abcd	5.49 ghi	41.4 ab	11.4 ef	4.40 efg
PD 9241 .....	811 abcd	5.63 fgh	40.5 de	11.6 d	4.40 efg
Coker 71500 .....	802 abcd	5.65 fgh	40.3 ef	11.1 ghi	4.43 def
McNair 71418 .....	796 abcd	6.64 a	39.2 hi	13.3 a	4.75 b
PD 0113 .....	790 abcd	5.78 def	39.1 hi	11.2 fg	4.37 fg
Brycot 350 .....	789 abcd	5.91 cde	39.0 i	11.2 fg	4.59 cd
Stoneville 429 ....	784 bcd	5.60 fghi	39.6 gh	12.0 c	4.89 a
CP 0803 .....	750 bcd	6.04 c	37.2 k	12.2 bc	4.44 def
PD 0111 .....	741 cd	5.68 fg	38.4 j	11.9 c	4.58 cd
PD 0109 .....	734 cd	5.65 fgh	38.8 ij	12.3 b	4.71 bc
Stoneville 1082 ...	729 cd	5.72 ef	39.2 hi	12.0 c	4.53 def
Bayou 7769 .....	705 de	5.64 fgh	39.2 hi	11.3 efg	4.26 g
Deltapine 6582 ....	623 e	5.39 i	41.7 a	10.9 hi	4.43 def
Acala 1517-70 .....	483 f	5.98 cd	37.5 k	12.4 b	4.04 h
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	R <sub>d</sub>	Hunter's b value		
McNair 2-520 .....	1.15 de	0.54 cde	72.2 efghi	7.0 h	12.4 hi
Mo. 63-277BR .....	1.20 b	.56 c	73.0 bcde	7.5 abc	12.6 fgh
Coker 310 .....	1.21 b	.54 cde	72.6 defgh	7.5 abcd	12.2 ij
Coker 11067 .....	1.18 c	.55 cd	72.6 defgh	7.5 ab	12.7 fg
La Dass 5175 .....	1.13 f	.52 g	73.7 b	7.4 bcde	12.1 j
Deltapine 16 .....	1.17 c	.54 ef	74.7 a	7.3 efg	11.6 k
PD 9223 .....	1.18 c	.55 cde	73.3 bcd	7.1 h	13.3 bc
PD 9241 .....	1.18 c	.57 b	73.6 b	7.1 gh	13.1 cd
Coker 71500 .....	1.19 c	.55 cde	72.0 ghij	7.6 ab	12.5 gh
McNair 71418 .....	1.14 ef	.52 g	71.1 k	7.6 a	11.5 k
PD 0113 .....	1.17 c	.55 cde	72.9 bcdef	7.2 fgh	13.1 cd
Brycot 350 .....	1.15 d	.53 fg	73.4 bc	7.3 cdef	11.5 k
Stoneville 429 ....	1.15 de	.54 cde	71.4 jk	7.4 bcde	12.4 hi
CP 0803 .....	1.18 c	.55 cd	73.2 bcd	7.1 gh	13.0 de
PD 0111 .....	1.20 b	.58 b	72.1 fghij	7.5 abc	13.5 b
PD 0109 .....	1.23 a	.60 a	71.5 ijk	7.3 efg	13.5 b
Stoneville 1082 ...	1.21 b	.55 cde	71.8 hijk	7.6 ab	12.5 fgh
Bayou 7769 .....	1.15 d	.54 de	72.6 cdefgh	7.5 ab	12.5 fgh
Deltapine 6582 ....	1.11 g	.54 ef	72.7 cdefg	7.3 def	12.8 ef
Acala 1517-70 .....	1.18 c	.54 cde	72.2 efghij	7.4 bcde	14.0 a



Table 120.--High-quality test: Fiber data by cotton variety

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
McNair 2-520 .....	1.19 gh	1.00 gh	41.0 ij	20.2 hi	6.7 hi
Mo. 63-277BR .....	1.23 bc	1.04 cd	39.0 l	20.3 hi	8.3 b
Coker 310 .....	1.24 bc	1.03 def	40.2 k	20.6 h	7.1 f
Coker 11067 .....	1.21 f	1.03 def	41.8 fgh	21.4 efg	6.6 hij
La Dass 5175 .....	1.18 i	.98 i	43.0 e	20.0 i	6.5 j
Deltapine 16 .....	1.21 ef	1.03 def	37.1 m	19.1 j	9.6 a
PD 9223 .....	1.22 def	1.03 def	44.8 c	21.8 d	5.9 l
PD 9241 .....	1.22 cde	1.06 bc	41.7 gh	21.7 de	7.8 d
Coker 71500 .....	1.23 cd	1.04 de	40.7 jk	20.5 h	6.8 g
McNair 71418 .....	1.17 hi	.98 i	41.3 hi	20.0 i	6.5 j
PD 0113 .....	1.20 f	1.02 fg	43.7 d	21.6 de	6.2 k
Brycot 350 .....	1.19 g	.99 hi	40.7 jk	19.0 j	6.7 gh
Stoneville 429 ....	1.18 gh	.99 i	45.8 b	21.4 ef	5.6 m
CP 0803 .....	1.22 def	1.03 def	44.7 c	21.7 de	6.1 kl
PD 0111 .....	1.23 bc	1.06 b	43.2 de	22.8 b	7.4 e
PD 0109 .....	1.28 a	1.11 a	42.0 fg	22.7 b	7.4 e
Stoneville 1082 ...	1.25 b	1.04 def	42.3 f	21.0 fg	6.5 ij
Bayou 7769 .....	1.18 ghi	.99 hi	41.3 hi	21.0 g	8.0 c
Deltapine 6582 ....	1.14 j	.98 i	42.9 e	22.3 c	7.6 e
Acala 1517-70 .....	1.22 cde	1.03 ef	47.2 a	23.3 a	6.2 k

Table 121.--High-quality test: Yield, boll, and spinning data by test location

Location	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
College Station, Tex. ....	1199 a	5.49 f	38.3 ef	11.4 e	4.38 c
Rohwer, Ark .....	1062 b	5.06 g	40.5 bc	11.5 e	4.64 b
Florence, S.C. ....	935 c	5.87 cd	39.7 cd	10.7 g	4.39 c
Stoneville, Miss. .	896 cd	6.00 c	38.8 e	11.7 d	4.66 b
Athens, Ga. ....	823 de	5.79 de	42.0 a	11.6 de	5.07 a
Belle Mina, Ala. ..	763 ef	NA	40.7 b	12.5 b	4.67 b
Portageville, Mo. .	712 fg	6.57 a	37.8 fg	13.3 a	4.43 c
Tifton, Ga. ....	691 fg	5.69 e	40.0 bc	10.6 g	4.41 c
Rocky Mount, N.C. .	669 g	5.85 cd	41.6 a	10.3 h	4.14 d
St. Joseph, La. ...	537 h	5.99 c	39.1 de	11.9 c	4.44 c
Jackson, Tenn. ....	386 i	6.19 b	37.3 g	11.2 f	3.83 e
		Span length (inches)		Colorimeter	
		2.5%	50%	$R_d$	Hunter's <i>b</i> value
College Station, Tex. ....	1.18 d	0.53 f	64.4 f	6.2 f	11.7 f
Rohwer, Ark .....	1.19 bc	.56 a	72.5 c	7.2 e	13.4 a
Florence, S.C. ....	1.15 ef	.54 e	76.5 a	7.6 c	12.4 d
Stoneville, Miss. .	1.18 d	.56 b	71.6 d	7.3 de	13.3 ab
Athens, Ga. ....	1.16 e	.55 cd	72.2 cd	8.2 b	11.2 g
Belle Mina, Ala. ..	1.18 cd	.56 b	74.6 b	7.5 cde	13.2 b
Portageville, Mo. .	1.20 a	.54 e	68.6 e	7.4 cde	12.3 d
Tifton, Ga. ....	1.14 fg	.54 e	76.1 a	7.5 cd	12.2 e
Rocky Mount, N.C. .	1.14 g	.54 e	75.1 b	7.2 e	13.3 ab
St. Joseph, La. ...	1.18 cd	.55 d	72.1 cd	6.4 f	12.6 c
Jackson, Tenn. ....	1.20 ab	.56 bc	75.2 b	8.5 a	13.4 a

NA, Data not available.

Table 122.--High-quality test: Fiber data by test location

Location	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
College Station, Tex. ....	1.19 de	0.99 g	42.0 bcd	20.6 c	6.0 g
Rohwer, Ark .....	1.22 c	1.02 d	46.8 a	22.9 a	6.1 fg
Florence, S.C. ....	1.18 e	1.00 f	38.8 e	20.3 d	7.7 bc
Stoneville, Miss. .	1.21 d	1.01 e	47.1 a	22.8 a	6.0 g
Athens, Ga. ....	1.16 f	1.00 f	39.5 e	19.5 e	7.1 d
Belle Mina, Ala. ..	1.24 b	1.08 a	41.9 cd	21.5 b	7.6 c
Portageville, Mo. .	1.25 a	1.06 b	43.1 b	21.5 b	6.7 e
Tifton, Ga. ....	1.16 f	.99 f	39.2 e	20.2 d	7.5 c
Rocky Mount, N.C. .	1.19 e	1.02 d	41.5 d	20.9 c	7.8 b
St. Joseph, La. ...	1.23 b	1.04 c	42.8 bc	20.7 c	6.3 f
Jackson, Tenn. ....	1.25 ab	1.05 b	41.8 cd	21.5 b	8.1 a

Table 123.--High-quality test: Combined yield, boll, and spinning data for Belle Mina, Ala.; Florence, S.C.; Tifton, Ga.; Rocky Mount, N.C.; and Athens, Ga.; by cotton variety

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
McNair 2-520 .....	968 a	6.00 cd	41.5 cde	10.6 hij	4.60 efg
Mo. 63-277BR .....	861 ab	6.33 b	41.0 efg	11.2 ef	4.08 j
Coker 310 .....	851 ab	5.94 de	42.1 abc	10.4 ij	4.43 hi
Coker 71500 .....	847 ab	5.70 defgh	41.9 bcd	10.4 j	4.47 gh
La Dass 5175 .....	839 ab	5.42 h	42.4 ab	10.4 j	4.58 efg
Deltapine 16 .....	834 ab	6.01 cd	41.2 def	10.7 hi	4.52 fgh
PD 9241 .....	828 ab	5.53 fgh	41.9 bcd	11.1 fg	4.61 efg
McNair 71418 .....	819 ab	6.87 a	39.9 hi	13.2 a	4.82 b
PD 9223 .....	815 ab	5.40 h	42.5 ab	10.8 gh	4.33 i
Coker 11067 .....	815 ab	6.29 bc	41.7 bcde	10.7 hi	4.52 efgh
PD 0113 .....	809 ab	5.84 def	40.2 gh	10.9 gh	4.50 gh
Brycot 350 .....	798 b	5.93 de	40.1 hi	11.1 fg	4.75 bcd
Stoneville 429 ....	772 b	5.53 fgh	40.5 fgh	11.7 bc	5.09 a
PD 0109 .....	762 b	5.58 fgh	39.9 hi	12.0 b	4.78 bc
PD 0111 .....	760 b	5.66 efgh	39.4 i	11.4 de	4.66 cde
Bayou 7769 .....	756 b	5.61 fgh	40.4 gh	11.1 fg	4.33 i
CP 0803 .....	727 b	5.94 de	38.5 j	11.6 cd	4.54 efgh
Stoneville 1082 ...	700 b	5.82 defg	40.4 gh	11.7 bc	4.65 def
Deltapine 6582 ....	558 c	5.10 i	42.9 a	10.7 hi	4.54 efgh
Acala 1517-70 .....	354 d	5.51 gh	37.9 j	11.5 cd	3.91 k
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	R <sub>d</sub>	Hunter's b value		
McNair 2-520 .....	1.13 fg	0.55 def	75.9 abcd	7.3 de	12.5 c
Mo. 63-277BR .....	1.17 cd	.56 cd	75.5 abcdef	7.8 a	12.3 cd
Coker 310 .....	1.20 ab	.55 def	75.0 bcdefg	7.8 ab	12.1 cd
Coker 71500 .....	1.15 def	.54 defgh	74.8 cdefg	7.7 ab	12.3 cd
La Dass 5175 .....	1.11 h	.53 gh	76.0 abc	7.6 ab	12.1 d
Deltapine 16 .....	1.16 de	.53 efgh	76.4 a	7.6 abc	11.4 e
PD 9241 .....	1.17 cd	.57 bc	76.1 ab	7.5 bcd	12.9 b
McNair 71418 .....	1.12 gh	.53 fgh	73.4 hi	7.7 ab	11.5 e
PD 9223 .....	1.17 cd	.54 defg	75.4 abcdef	7.3 de	13.1 b
Coker 11067 .....	1.15 def	.55 def	74.7 efg	7.8 ab	12.4 cd
PD 0113 .....	1.15 def	.55 def	74.9 bcdefg	7.3 e	13.1 b
Brycot 350 .....	1.13 gh	.52 h	75.5 abcdef	7.7 ab	11.5 e
Stoneville 429 ....	1.13 fg	.53 efgh	73.2 hi	7.6 abc	12.2 cd
PD 0109 .....	1.21 a	.59 a	74.4 fgh	7.7 ab	13.1 b
PD 0111 .....	1.19 ab	.58 ab	74.3 fghi	7.6 ab	13.2 b
Bayou 7769 .....	1.13 gh	.53 efgh	74.8 defg	7.8 ab	12.2 cd
CP 0803 .....	1.17 cd	.55 de	75.8 abcde	7.3 cde	12.9 b
Stoneville 1082 ...	1.18 bc	.56 cd	73.2 i	7.7 ab	12.3 cd
Deltapine 6582 ....	1.08 i	.53 gh	74.7 efg	7.5 bcd	12.3 cd
Acala 1517-70 .....	1.15 ef	.52 h	74.2 ghi	7.6 ab	13.8 a



Table 124.--High-quality test: Combined yield, boll, and spinning data for Belle Mina, Ala.; Florence, S.C.; Tifton, Ga.; Rocky Mount, N.C.; and Athens, Ga.; by cotton variety

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
McNair 2-520 .....	1.17 ghi	1.01 fgh	39.3 ghij	20.1 d	7.2 ef
Mo. 63-277BR .....	1.22 bc	1.05 bc	37.0 k	19.6 d	8.9 b
Coker 310 .....	1.23 b	1.05 bcd	38.5 j	20.0 d	7.6 d
Coker 71500 .....	1.20 cde	1.03 cde	38.5 j	19.5 d	7.2 e
La Dass 5175 .....	1.15 j	.98 ijk	40.9 ef	19.9 d	7.1 efg
Deltapine 16 .....	1.20 ef	1.03 cde	35.0 l	18.7 e	10.5 a
PD 9241 .....	1.21 cde	1.05 bc	39.2 hij	20.7 c	8.6 b
McNair 71418 .....	1.16 hij	.99 ij	39.4 ghij	19.7 d	6.9 g
PD 9223 .....	1.20 cde	1.03 def	42.4 c	21.3 c	6.4 h
Coker 11067 .....	1.18 gh	1.02 efg	40.2 fg	20.7 c	6.9 fg
PD 0113 .....	1.18 fg	1.01 fgh	42.0 cd	21.1 c	6.6 h
Brycot 350 .....	1.17 ghi	1.00 ghi	38.8 ij	18.7 e	7.3 e
Stoneville 429 ....	1.17 ghij	.97 jk	43.7 b	20.7 e	6.1 i
PD 0109 .....	1.26 a	1.10 a	39.6 ghi	21.9 b	8.2 c
PD 0111 .....	1.22 bcd	1.06 b	41.3 de	22.2 b	8.0 c
Bayou 7769 .....	1.15 ij	.99 hij	38.5 j	20.0 d	8.8 b
CP 0803 .....	1.20 de	1.03 cde	42.5 c	21.1 c	6.5 h
Stoneville 1082 ...	1.22 bcd	1.03 cde	39.8 gh	20.0 d	7.1 efg
Deltapine 6582 ....	1.11 k	.96 k	40.7 ef	21.2 c	8.1 c
Acala 1517-70 .....	1.19 ef	1.01 fgh	45.7 a	22.9 a	6.5 h

Table 125.--High-quality test: Combined yield, boll, and spinning data for St. Joseph, La.; College Station, Tex.; Portageville, Mo.; Jackson, Tenn.; Rohwer, Ark.; and Stoneville, Miss., by cotton variety

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Mo. 63-277BR .....	861 a	6.32 ab	38.5 efg	11.8 de	3.94 h
Coker 11067 .....	860 a	6.51 a	39.0 de	11.5 efg	4.31 defg
Coker 310 .....	833 ab	5.93 cd	39.6 bc	11.2 gh	4.41 cdef
McNair 2-520 .....	831 ab	6.11 bc	38.9 de	11.5 efg	4.50 abcde
PD 9223 .....	810 ab	5.54 f	40.5 a	11.8 de	4.47 bcdef
La Dass 5175 .....	800 abc	5.44 f	39.9 b	10.7 i	4.40 cdefg
Deltapine 16 .....	797 abc	6.05 bc	38.6 efg	10.9 hi	4.45 bcdef
Stoneville 429 ....	795 abc	5.64 def	38.8 def	12.2 bc	4.73 a
PD 9241 .....	793 abc	5.69 def	39.3 cd	12.1 cd	4.23 efg
Brycot 350 .....	780 abc	5.90 cde	38.1 ghi	11.3 fgh	4.45 bcdef
CP 0803 .....	775 abc	6.11 bc	36.1 k	12.6 b	4.36 defg
McNair 71418 .....	772 abc	6.49 a	38.6 efg	13.3 a	4.69 ab
PD 0113 .....	769 abc	5.74 def	38.2 fgh	11.5 efg	4.27 defg
Stoneville 1082 ...	758 abcd	5.65 def	38.1 ghi	12.3 bc	4.42 cdef
Coker 71500 .....	756 abcd	5.61 def	38.9 de	11.6 ef	4.40 cdefg
PD 0111 .....	720 abcd	5.69 def	37.6 ij	12.3 bc	4.52 abcd
PD 0109 .....	706 bcd	5.69 def	37.9 hi	12.6 b	4.66 abc
Deltapine 6582 ....	690 bcd	5.59 ef	40.7 a	11.0 hi	4.34 defg
Bayou 7769 .....	652 cd	5.66 def	38.1 ghi	11.5 efg	4.20 fg
Acala 1517-70 .....	618 d	6.30 ab	37.2 j	13.1 a	4.14 gh
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	$R_d$	Hunter's <i>b</i> value		
Mo. 63-277BR .....	1.23 ab	0.55 cd	70.9 bcde	7.2 bcde	12.8 fg
Coker 11067 .....	1.20 cde	.56 bcd	70.8 bcdef	7.3 abc	13.0 efg
Coker 310 .....	1.21 bc	.54 de	70.5 cdef	7.2 bcde	12.3 jk
McNair 2-520 .....	1.16 ghi	.54 de	69.2 gh	6.8 h	12.3 ijk
PD 9223 .....	1.19 def	.55 de	71.5 bc	6.9 gh	13.5 cd
La Dass 5175 .....	1.14 i	.51 g	71.7 b	7.3 bcde	12.1 k
Deltapine 16 .....	1.19 def	.54 de	73.3 a	7.0 efgh	11.7 l
Stoneville 429 ....	1.16 gh	.55 de	69.9 efgh	7.2 bcde	12.5 hij
PD 9241 .....	1.20 cdef	.57 bc	71.5 bc	6.7 h	13.4 cde
Brycot 350 .....	1.18 fg	.53 ef	71.7 b	7.0 defgh	11.5 l
CP 0803 .....	1.19 cdef	.56 cd	71.0 bcde	6.9 gh	13.1 ef
McNair 71418 .....	1.15 hi	.52 fg	69.2 gh	7.6 a	11.4 l
PD 0113 .....	1.19 def	.55 cde	71.2 bcd	7.1 cdefg	13.2 de
Stoneville 1082 ...	1.22 ab	.54 de	70.7 bcdef	7.5 ab	12.8 fgh
Coker 71500 .....	1.21 bc	.56 bcd	69.7 fgh	7.5 ab	12.7 ghi
PD 0111 .....	1.21 bc	.57 b	70.3 defg	7.4 ab	13.7 bc
PD 0109 .....	1.24 a	.60 a	69.2 h	6.9 fgh	13.9 ab
Deltapine 6582 ....	1.14 i	.55 de	71.1 bcd	7.1 cdefg	13.2 de
Bayou 7769 .....	1.18 efg	.55 de	70.9 bcde	7.3 abcd	12.9 fg
Acala 1517-70 .....	1.21 bcd	.56 bcd	70.5 cdef	7.2 bcdef	14.1 a

Table 126.--High-quality test: Combined yield, boll, and spinning data for St. Joseph, La.; College Station, Tex.; Portageville, Mo.; Jackson, Tenn.; Rohwer, Ark.; and Stoneville, Miss., by cotton variety

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Mo. 63-277BR .....	1.25 cde	1.04 bc	40.7 m	20.9 f	7.8 b
Coker 11067 .....	1.24 cde	1.04 c	43.2 hij	21.9 cd	6.4 gh
Coker 310 .....	1.24 cde	1.02 cde	41.7 l	21.1 ef	6.6 f
McNair 2-520 .....	1.20 fg	1.01 def	42.3 kl	20.3 g	6.3 hi
PD 9223 .....	1.23 cde	1.04 c	46.9 bc	22.3 bc	5.6 l
La Dass 5175 .....	1.18 gh	.98 g	44.8 de	20.1 g	5.9 k
Deltapine 16 .....	1.23 de	1.02 cde	38.8 n	19.6 h	8.9 a
Stoneville 429 ....	1.20 fg	1.00 efg	47.5 b	22.0 bc	5.3 m
PD 9241 .....	1.24 cde	1.06 b	43.7 fgh	22.5 b	7.1 d
Brycot 350 .....	1.20 f	.99 fg	42.3 kl	19.3 h	6.3 hi
CP 0803 .....	1.23 cde	1.04 c	46.5 c	22.2 bc	5.7 l
McNair 71418 .....	1.19 fg	.98 g	42.8 ijk	20.3 g	6.2 ij
PD 0113 .....	1.22 e	1.03 cd	45.1 d	22.1 bc	6.0 k
Stoneville 1082 ...	1.27 b	1.04 bc	44.4 def	21.9 cd	6.1 jk
Coker 71500 .....	1.25 cd	1.05 bc	42.5 jk	21.4 de	6.5 fg
PD 0111 .....	1.25 cd	1.06 b	44.9 d	23.3 a	6.9 de
PD 0109 .....	1.29 a	1.12 a	44.1 efg	23.4 a	6.8 e
Deltapine 6582 ....	1.16 h	1.00 efg	44.7 de	23.2 a	7.1 d
Bayou 7769 .....	1.20 fg	1.00 efg	43.6 ghi	21.8 cd	7.4 c
Acala 1517-70 .....	1.25 c	1.04 bc	48.5 a	23.7 a	6.0 k

Table 127.--High-quality test: Yield, boll, and spinning data for  
College Station, Tex.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
La Dass 5175 .....	1367 a	4.70	40.7	10.4	4.49
Deltapine 16 .....	1334 a	5.74	38.4	10.6	4.39
PD 9241 .....	1309 ab	5.20	39.4	11.5	4.28
Mo. 63-277BR .....	1303 ab	5.41	38.6	11.0	3.87
PD 0109 .....	1272 ab	5.31	37.8	11.7	4.58
Coker 11067 .....	1250 ab	6.06	38.0	11.3	4.33
Stoneville 1082 ...	1225 ab	5.17	38.8	12.0	4.48
McNair 2-520 .....	1221 ab	5.53	39.0	10.9	4.44
Coker 310 .....	1210 ab	5.94	37.5	11.1	4.33
PD 9223 .....	1180 ab	4.89	41.1	10.7	4.38
CP 0803 .....	1168 ab	6.36	35.7	12.7	4.43
Stoneville 429 ....	1168 ab	5.39	39.3	12.3	5.10
Coker 71500 .....	1167 ab	5.14	36.4	11.6	4.32
PD 0113 .....	1167 ab	5.56	37.9	11.0	4.12
McNair 71418 .....	1163 ab	5.79	37.0	13.1	4.40
Brycot 350 .....	1146 ab	5.64	38.0	10.8	4.71
Bayou 7769 .....	1143 ab	5.55	37.9	11.3	4.37
PD 0111 .....	1111 ab	5.13	38.0	11.7	4.43
Acala 1517-70 .....	1065 ab	5.59	36.5	12.3	3.99
Deltapine 6582 ....	1003 b	5.75	39.5	11.1	4.18
		Span length (inches)		Colorimeter	
		2.5%	50%	$R_d$	Hunter's $b$ value
La Dass 5175 .....	1.15	0.51	62.9	6.0	10.6
Deltapine 16 .....	1.20	.53	66.5	6.0	10.7
PD 9241 .....	1.19	.56	65.4	5.9	12.4
Mo. 63-277BR .....	1.18	.51	64.2	6.4	11.7
PD 0109 .....	1.22	.57	63.7	6.0	12.9
Coker 11067 .....	1.22	.55	66.4	6.4	12.2
Stoneville 1082 ...	1.20	.51	63.9	6.3	11.3
McNair 2-520 .....	1.15	.54	62.4	6.1	11.4
Coker 310 .....	1.22	.52	64.4	6.4	11.5
PD 9223 .....	1.16	.51	66.5	5.9	12.7
CP 0803 .....	1.19	.54	64.6	5.8	12.6
Stoneville 429 ....	1.15	.55	63.1	6.3	11.9
Coker 71500 .....	1.23	.57	64.7	6.1	11.9
PD 0113 .....	1.16	.51	64.3	6.5	12.0
McNair 71418 .....	1.16	.49	62.0	6.9	9.5
Brycot 350 .....	1.19	.53	64.6	5.5	10.5
Bayou 7769 .....	1.18	.54	64.9	6.8	11.5
PD 0111 .....	1.18	.54	64.3	6.2	12.5
Acala 1517-70 .....	1.17	.52	65.0	6.1	13.3
Deltapine 6582 ....	1.15	.54	64.0	6.6	12.3



Table 128.--High-quality test: Fiber data for College Station, Tex.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
La Dass 5175 .....	1.15	0.95	42.8	19.1	5.6
Deltapine 16 .....	1.23	1.02	35.8	18.7	8.5
PD 9241 .....	1.21	1.03	42.2	21.3	6.8
Mo. 63-277BR .....	1.21	1.01	38.0	19.5	7.2
PD 0109 .....	1.25	1.07	42.1	22.3	5.9
Coker 11067 .....	1.22	1.00	42.0	20.9	5.9
Stoneville 1082 ...	1.24	.99	42.2	20.2	5.8
McNair 2-520 .....	1.16	.95	41.5	19.9	5.8
Coker 310 .....	1.24	1.00	40.0	21.2	6.0
PD 9223 .....	1.20	1.01	44.8	21.1	5.2
CP 0803 .....	1.21	1.00	45.8	21.3	5.3
Stoneville 429 ....	1.15	.96	46.9	21.7	5.1
Coker 71500 .....	1.23	1.02	39.9	20.8	5.9
PD 0113 .....	1.17	.95	43.3	20.6	5.3
McNair 71418 .....	1.15	.93	39.0	18.7	5.9
Brycot 350 .....	1.18	.98	40.9	18.9	6.0
Bayou 7769 .....	1.17	.96	40.0	20.4	6.7
PD 0111 .....	1.19	.99	42.9	21.5	6.3
Acala 1517-70 .....	1.21	.97	48.8	23.5	5.5
Deltapine 6582 ....	1.16	.98	42.0	21.9	6.2

Table 129.--High-quality test: Yield, boll, and spinning data for Rohwer, Ark.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
La Dass 5175 .....	1308 a	5.04	43.0	10.0	4.95
Stoneville 1082 ...	1173 b	4.76	40.9	11.9	4.79
Coker 310 .....	1156 bc	5.10	41.6	11.3	4.93
Coker 11067 .....	1149 bc	5.56	40.3	11.5	4.38
Brycot 350 .....	1139 bcd	5.30	40.7	10.8	4.95
Stoneville 429 ....	1099 bcde	4.64	40.8	11.6	3.69
PD 0113 .....	1089 bcde	4.73	39.7	10.8	4.33
Coker 71500 .....	1085 bcde	4.99	41.1	11.1	4.87
McNair 2-520 .....	1084 bcde	4.76	41.2	10.6	4.61
Deltapine 16 .....	1072 bcdef	5.60	40.3	10.8	4.92
PD 9223 .....	1069 bcdef	4.80	40.9	11.8	4.94
PD 0109 .....	1061 bcdef	4.50	40.0	12.2	4.87
Mo. 63-277BR .....	1038 bcdefg	5.41	40.4	11.5	4.15
Bayou 7769 .....	1033 cdefg	5.10	40.4	11.5	4.52
Deltapine 6582 ....	1012 defg	4.93	44.4	11.0	4.58
PD 0111 .....	984 efg	4.72	38.5	12.3	4.76
PD 9241 .....	980 efg	4.84	40.8	11.4	4.23
McNair 71418 .....	941 fgh	5.65	40.4	13.1	5.08
Acala 1517-70 .....	911 gh	5.51	37.8	12.9	4.59
CP 0803 .....	846 h	5.38	37.5	12.5	4.65
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	$R_d$	Hunter's b value		
La Dass 5175 .....	1.13	0.52	73.4	7.2	12.2
Stoneville 1082 ...	1.24	.56	74.0	7.4	13.3
Coker 310 .....	1.21	.56	72.5	7.3	13.3
Coker 11067 .....	1.20	.59	71.7	7.1	13.4
Brycot 350 .....	1.19	.56	75.1	7.2	12.4
Stoneville 429 ....	1.16	.54	70.2	7.3	12.9
PD 0113 .....	1.19	.56	74.5	7.2	14.4
Coker 71500 .....	1.25	.58	72.4	7.2	13.2
McNair 2-520 .....	1.17	.56	71.3	7.0	12.2
Deltapine 16 .....	1.18	.56	74.3	6.8	12.2
PD 9223 .....	1.13	.56	72.2	6.9	13.1
PD 0109 .....	1.27	.64	71.5	7.1	15.0
Mo. 63-277BR .....	1.23	.58	72.7	7.5	13.8
Bayou 7769 .....	1.18	.55	72.5	7.3	13.4
Deltapine 6582 ....	1.13	.56	73.0	7.1	13.7
PD 0111 .....	1.23	.60	71.6	7.4	14.6
PD 9241 .....	1.19	.59	73.8	6.5	14.3
McNair 71418 .....	1.16	.53	70.2	7.8	12.4
Acala 1517-70 .....	1.22	.58	70.7	7.3	15.1
CP 0803 .....	1.23	.58	72.5	6.8	13.4

Table 130.--High-quality test: Fiber data for Rowher, Ark.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
La Dass 5175 .....	1.17	0.96	46.7	21.2	5.6
Stoneville 1082 ...	1.28	1.06	47.6	22.4	5.8
Coker 310 .....	1.25	1.05	44.3	22.5	6.1
Coker 11067 .....	1.23	1.03	46.2	24.0	6.0
Brycot 350 .....	1.22	1.00	45.1	20.7	6.0
Stoneville 429 ....	1.17	.98	50.0	22.8	5.1
PD 0113 .....	1.21	1.02	48.2	23.4	5.8
Coker 71500 .....	1.26	1.06	45.0	22.2	6.1
McNair 2-520 .....	1.16	.97	45.1	21.0	6.0
Deltapine 16 .....	1.21	1.02	40.6	21.1	8.5
PD 9223 .....	1.16	.98	50.2	23.1	5.1
PD 0109 .....	1.30	1.13	48.2	25.5	6.6
Mo. 63-277BR .....	1.26	1.06	43.3	22.2	7.6
Bayou 7769 .....	1.21	1.01	46.5	22.6	6.8
Deltapine 6582 ....	1.15	.99	47.7	24.3	6.5
PD 0111 .....	1.26	1.05	48.8	25.1	6.3
PD 9241 .....	1.22	1.03	47.3	24.4	6.7
McNair 71418 .....	1.21	1.00	46.8	21.7	5.5
Acala 1517-70 .....	1.26	1.05	52.4	25.3	5.6
CP 0803 .....	1.25	1.07	46.5	22.7	5.7

Table 131.--High-quality test: Yield, boll, and spinning data for Belle Mina, Ala.

Variety	Lint yield (lb/acre)	Boll size* (g/boll)	Lint percent	Seed index	Micronaire reading
McNair 2-520 .....	1173 a		42.3	11.6	4.81
Brycot 350 .....	1050 ab		40.3	12.0	4.89
Mo. 63-277BR .....	988 abc		41.4	12.0	4.08
Deltapine 16 .....	958 abcd		41.3	11.6	4.78
PD 9241 .....	882 bcde		41.1	12.4	4.57
Coker 310 .....	862 bcde		42.1	11.5	4.54
La Dass 5175 .....	811 cde		41.5	11.7	4.43
Stoneville 429 ....	805 cde		40.9	13.4	5.38
McNair 71418 .....	799 cde		39.4	15.0	4.86
Coker 11067 .....	784 cde		41.0	12.3	4.63
Deltapine 6582 ....	780 cde		43.9	11.2	5.03
Coker 71500 .....	752 cdef		40.7	11.6	4.59
PD 9223 .....	744 defg		41.6	12.3	4.47
PD 0113 .....	714 efgh		40.7	12.6	4.65
CP 0803 .....	678 fgh		38.1	13.3	4.59
PD 0111 .....	530 fghi		39.7	12.8	4.89
Stoneville 1082 ...	520 ghi		40.5	13.3	4.78
Bayou 7769 .....	519 ghi		39.8	12.3	4.56
PD 0109 .....	492 hi		38.7	13.9	4.77
Acala 1517-70 .....	411 i		39.2	12.7	4.25
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	R <sub>d</sub>	Hunter's b value		
McNair 2-520 .....	1.15	0.55	76.6	7.5	12.9
Brycot 350 .....	1.16	.52	76.9	7.7	12.2
Mo. 63-277BR .....	1.21	.57	75.5	7.7	12.9
Deltapine 16 .....	1.18	.55	76.0	7.4	11.7
PD 9241 .....	1.19	.57	75.3	7.4	13.5
Coker 310 .....	1.22	.56	73.9	7.6	13.0
La Dass 5175 .....	1.15	.54	76.7	7.6	12.3
Stoneville 429 ....	1.17	.55	71.7	7.5	13.0
McNair 71418 .....	1.16	.55	73.8	7.4	12.5
Coker 11067 .....	1.21	.57	74.8	7.9	13.2
Deltapine 6582 ....	1.11	.55	74.9	7.7	13.4
Coker 71500 .....	1.28	.58	74.9	7.5	13.4
PD 9223 .....	1.18	.55	74.1	7.2	13.9
PD 0113 .....	1.19	.57	74.0	7.3	14.0
CP 0803 .....	1.19	.57	75.8	7.5	13.9
PD 0111 .....	1.20	.60	72.3	7.6	14.1
Stoneville 1082 ...	1.22	.58	71.4	7.2	13.3
Bayou 7769 .....	1.13	.55	74.8	7.3	13.2
PD 0109 .....	1.29	.63	74.3	7.5	14.0
Acala 1517-70 .....	1.19	.55	75.4	7.7	14.6

\* Data not available.



Table 132.--High-quality test: Fiber data for Belle Mina, Ala.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
McNair 2-520 .....	1.21	1.03	41.4	20.9	7.3
Brycot 350 .....	1.21	1.06	40.9	20.0	6.8
Mo. 63-277BR .....	1.27	1.11	37.1	20.0	8.8
Deltapine 16 .....	1.26	1.12	35.4	19.1	11.3
PD 9241 .....	1.26	1.12	41.9	21.4	8.0
Coker 310 .....	1.29	1.16	38.8	20.4	8.1
La Dass 5175 .....	1.18	1.02	41.9	19.8	7.1
Stoneville 429 ....	1.23	1.04	45.7	21.7	6.2
McNair 71418 .....	1.21	1.05	41.1	21.1	6.7
Coker 11067 .....	1.21	1.12	40.7	21.8	7.1
Deltapine 6582 ....	1.15	1.03	42.4	22.6	8.4
Coker 71500 .....	1.26	1.10	40.6	21.6	7.2
PD 9223 .....	1.26	1.09	44.9	22.8	6.4
PD 0113 .....	1.26	1.10	44.7	22.1	6.7
CP 0803 .....	1.26	1.07	44.7	23.1	6.6
PD 0111 .....	1.26	1.11	44.0	23.0	8.0
Stoneville 1082 ...	1.26	1.07	41.5	21.2	7.3
Bayou 7769 .....	1.20	1.06	40.7	21.1	9.0
PD 0109 .....	1.34	1.19	41.6	23.6	8.0
Acala 1517-70 .....	1.26	1.10	47.9	23.0	6.4

Table 133.--High-quality test: Yield, boll, and spinning data for Stoneville, Miss.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Coker 11067 .....	1131 a	6.89	39.2	11.4	4.60
Stoneville 1082 ...	1022 ab	5.95	38.0	12.7	4.64
Stoneville 429 ....	1018 ab	5.63	39.1	11.7	5.07
Mo. 63-277BR .....	974 abc	7.06	37.5	12.4	4.28
PD 0111 .....	956 abc	5.62	38.3	12.0	4.67
La Dass 5175 .....	943 abc	5.52	40.4	11.1	4.59
Deltapine 6582 ....	936 abc	5.87	39.7	11.3	4.73
McNair 2-520 .....	932 abc	6.03	39.1	11.2	4.78
PD 9223 .....	924 abc	5.60	40.5	11.5	4.57
Coker 71500 .....	914 abc	5.79	38.9	11.7	4.59
Deltapine 16 .....	892 abcd	6.11	39.4	10.8	5.08
CP 0803 .....	887 bcd	5.95	37.7	12.0	4.64
Coker 310 .....	885 bcd	6.28	41.2	11.1	5.01
PD 0113 .....	877 bcd	5.62	38.3	11.4	4.43
McNair 71418 .....	843 bcd	6.75	39.1	13.2	4.94
Brycot 350 .....	836 bcd	5.94	39.1	11.4	4.27
PD 0109 .....	772 cd	5.48	38.4	11.6	4.84
Bayou 7769 .....	757 cd	5.92	37.5	11.3	4.48
Acala 1517-70 .....	742 cd	6.67	35.7	13.2	4.31
PD 9241 .....	672 d	5.37	39.1	11.5	4.68
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	R <sub>d</sub>	Hunter's b value		
Coker 11067 .....	1.19	0.55	71.4	7.3	13.6
Stoneville 1082 ...	1.24	.58	72.3	7.3	14.1
Stoneville 429 ....	1.15	.54	71.9	7.4	13.2
Mo. 63-277BR .....	1.26	.60	70.4	7.2	13.3
PD 0111 .....	1.20	.58	70.9	7.5	14.6
La Dass 5175 .....	1.12	.52	76.0	7.4	13.3
Deltapine 6582 ....	1.13	.55	71.5	7.4	13.7
McNair 2-520 .....	1.15	.55	71.5	7.2	13.1
PD 9223 .....	1.20	.56	71.9	7.2	13.8
Coker 71500 .....	1.16	.54	71.1	7.4	13.5
Deltapine 16 .....	1.17	.54	73.0	7.3	12.0
CP 0803 .....	1.17	.55	70.9	6.8	13.1
Coker 310 .....	1.15	.53	68.3	7.3	12.3
PD 0113 .....	1.20	.57	72.3	7.0	13.9
McNair 71418 .....	1.14	.54	69.6	7.9	11.5
Brycot 350 .....	1.16	.54	72.8	7.1	11.6
PD 0109 .....	1.23	.62	70.3	7.3	14.7
Bayou 7769 .....	1.19	.58	74.8	7.3	14.0
Acala 1517-70 .....	1.23	.60	71.5	7.4	14.7
PD 9241 .....	1.19	.58	71.1	7.0	13.5

Table 134.--High-quality test: Fiber data for Stoneville, Miss.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Coker 11067 .....	1.23	1.05	43.5	22.5	6.1
Stoneville 1082 ...	1.27	1.06	47.4	24.2	5.3
Stoneville 429 ....	1.18	.99	51.8	23.6	4.6
Mo. 63-277BR .....	1.25	1.02	43.3	21.8	7.0
PD 0111 .....	1.24	1.08	46.2	24.5	6.7
La Dass 5175 .....	1.19	1.01	46.9	21.4	5.3
Deltapine 6582 ....	1.13	.95	48.4	24.6	6.7
McNair 2-520 .....	1.18	.99	46.3	21.6	5.5
PD 9223 .....	1.24	1.03	49.7	21.9	5.2
Coker 71500 .....	1.21	1.03	45.2	22.5	6.4
Deltapine 16 .....	1.18	.98	41.7	19.4	9.0
CP 0803 .....	1.18	.98	51.2	23.7	5.2
Coker 310 .....	1.19	1.00	44.8	21.7	5.7
PD 0113 .....	1.23	1.04	47.4	23.2	5.3
McNair 71418 .....	1.14	.92	47.4	21.8	5.5
Brycot 350 .....	1.18	.97	44.1	20.7	5.7
PD 0109 .....	1.29	1.11	47.7	24.8	6.3
Bayou 7769 .....	1.20	.99	48.5	23.5	6.9
Acala 1517-70 .....	1.25	1.05	53.1	24.8	5.3
PD 9241 .....	1.21	1.03	47.0	23.5	6.3

Table 135.--High-quality test: Yield, boll, and spinning data for Florence, S.C.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
McNair 2-520 .....	1129 a	6.04	40.7	10.2	4.33
PD 0113 .....	1075 ab	6.08	38.6	10.7	4.37
PD 9223 .....	1071 ab	5.45	41.3	10.3	4.08
PD 0111 .....	1054 abc	5.85	38.1	11.3	4.48
PD 0109 .....	1036 abcd	5.99	39.4	11.3	4.63
Coker 310 .....	1034 abcd	6.02	41.2	9.9	4.31
Coker 71500 .....	1022 abcde	5.46	40.3	10.0	4.48
Coker 11067 .....	1019 abcde	6.00	41.0	10.1	4.24
PD 9241 .....	1005 bcdef	5.86	41.4	11.2	4.52
Deltapine 16 .....	972 bcdefg	6.16	40.8	10.2	4.40
Stoneville 429 ....	969 bcdefg	5.62	39.4	11.0	4.79
Mo. 63-277BR .....	953 bcdefg	6.08	40.0	10.7	3.93
La Dass 5175 .....	940 cdefg	5.42	41.0	10.2	4.55
McNair 71418 .....	928 defg	6.88	38.3	12.7	4.51
Brycot 350 .....	926 defg	6.11	39.3	10.7	4.72
CP 0803 .....	907 efg	6.02	36.9	11.8	4.67
Stoneville 1082 ...	893 fg	5.50	39.4	11.1	4.47
Bayou 7769 .....	853 g	5.76	38.7	10.6	4.15
Deltapine 6582 ....	535 h	5.17	42.4	10.1	4.30
Acala 1517-70 .....	383 i	5.90	37.0	11.2	3.87
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	$R_d$	Hunter's <i>b</i> value		
McNair 2-520 .....	1.13	0.55	77.1	7.3	12.7
PD 0113 .....	1.15	.56	76.3	7.3	13.0
PD 9223 .....	1.19	.54	77.2	7.3	13.0
PD 0111 .....	1.19	.58	76.4	7.8	13.4
PD 0109 .....	1.20	.58	76.2	7.6	12.6
Coker 310 .....	1.18	.52	76.8	7.7	12.2
Coker 71500 .....	1.13	.50	75.5	7.8	11.9
Coker 11067 .....	1.13	.52	76.6	7.8	11.9
PD 9241 .....	1.16	.57	77.5	7.5	12.8
Deltapine 16 .....	1.16	.53	77.6	7.5	11.7
Stoneville 429 ....	1.14	.53	75.2	7.7	12.1
Mo. 63-277BR .....	1.17	.57	77.1	7.8	12.4
La Dass 5175 .....	1.13	.53	77.0	7.6	12.4
McNair 71418 .....	1.15	.55	74.6	8.0	11.7
Brycot 350 .....	1.11	.51	77.0	7.9	11.5
CP 0803 .....	1.15	.54	77.3	7.3	12.9
Stoneville 1082 ...	1.17	.54	75.0	7.7	12.0
Bayou 7769 .....	1.13	.52	76.5	7.9	12.3
Deltapine 6582 ....	1.06	.49	76.3	7.8	12.4
Acala 1517-70 .....	1.14	.52	76.6	7.8	13.3



Table 136.--High-quality test: Fiber data for Florence, S.C.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
McNair 2-520 .....	1.16	1.00	38.2	20.0	7.4
PD 0113 .....	1.18	.99	39.3	20.8	6.8
PD 9223 .....	1.22	1.03	39.8	21.1	6.4
PD 0111 .....	1.21	1.06	40.0	21.9	8.6
PD 0109 .....	1.24	1.05	37.3	21.3	8.2
Coker 310 .....	1.23	.99	38.4	19.8	7.5
Coker 71500 .....	1.21	1.02	37.3	19.0	7.5
Coker 11067 .....	1.16	.97	38.3	19.9	6.9
PD 9241 .....	1.21	1.05	37.4	20.7	9.6
Deltapine 16 .....	1.19	1.01	34.2	18.7	10.7
Stoneville 429 ....	1.18	.97	42.8	21.5	6.2
Mo. 63-277BR .....	1.22	1.05	36.4	19.9	8.9
La Dass 5175 .....	1.17	.99	39.3	19.9	7.3
McNair 71418 .....	1.17	.99	38.0	19.8	7.2
Brycot 350 .....	1.17	.97	37.7	18.4	7.5
CP 0803 .....	1.21	1.04	41.4	20.9	6.5
Stoneville 1082 ...	1.20	1.02	39.3	19.7	7.4
Bayou 7769 .....	1.16	.98	37.5	19.8	9.3
Deltapine 6582 ....	1.08	.93	39.9	20.5	7.7
Acala 1517-70 .....	1.16	.96	43.4	22.1	6.4

Table 137.--High-quality test: Yield, boll, and spinning data for Athens, Ga.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Coker 71500 .....	981 a	6.10	44.3	10.8	4.94
McNair 2-520 .....	958 a	6.14	43.0	11.2	5.26
Coker 11067 .....	940 ab	6.82	42.2	11.1	5.05
Brycot 350 .....	915 abc	5.90	42.1	11.4	5.26
Mo. 63-277BR .....	891 abcd	6.54	41.6	11.7	4.58
La Dass 5175 .....	882 abcde	5.26	43.0	10.6	5.12
Coker 310 .....	867 abcde	6.06	43.2	10.8	5.03
PD 9223 .....	860 abcde	5.40	44.5	11.4	4.89
Deltapine 16 .....	855 abcde	5.66	42.1	11.2	4.98
PD 9241 .....	825 bcdef	5.24	43.2	11.5	5.27
McNair 71418 .....	822 bcdef	6.38	42.0	13.0	5.38
Bayou 7769 .....	818 bcdef	5.34	41.6	11.9	4.77
CP 0803 .....	803 cdefg	5.68	40.5	12.2	4.94
PD 0109 .....	783 cdefg	5.70	41.1	12.5	5.35
Deltapine 6582 ....	766 defg	5.58	42.3	12.1	5.13
PD 0113 .....	753 efg	5.66	41.0	10.5	4.93
Stoneville 1082 ...	748 efg	5.72	41.6	11.9	5.16
Stoneville 429 ....	700 fgh	5.66	42.4	12.0	5.74
PD 0111 .....	682 gh	5.54	40.4	12.1	5.26
Acala 1517-70 .....	612 h	5.50	38.9	12.1	4.36
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	$R_d$	Hunter's <i>b</i> value		
Coker 71500 .....	1.14	0.55	72.4	8.1	10.9
McNair 2-520 .....	1.12	.55	74.0	8.1	11.4
Coker 11067 .....	1.15	.55	72.0	8.4	11.8
Brycot 350 .....	1.16	.55	71.9	8.3	10.2
Mo. 63-277BR .....	1.16	.54	72.1	8.7	10.7
La Dass 5175 .....	1.09	.52	72.4	8.1	10.5
Coker 310 .....	1.22	.58	73.7	8.4	10.8
PD 9223 .....	1.17	.55	71.4	7.8	11.4
Deltapine 16 .....	1.16	.54	74.4	8.0	10.4
PD 9241 .....	1.19	.60	74.0	7.9	11.5
McNair 71418 .....	1.07	.50	70.4	8.6	9.7
Bayou 7769 .....	1.16	.54	71.0	8.4	10.2
CP 0803 .....	1.21	.57	73.4	7.8	11.6
PD 0109 .....	1.21	.61	72.2	8.0	12.1
Deltapine 6582 ....	1.09	.54	71.7	7.8	11.3
PD 0113 .....	1.16	.55	72.0	7.8	12.5
Stoneville 1082 ...	1.21	.60	71.7	8.4	11.4
Stoneville 429 ....	1.13	.54	69.6	8.4	10.7
PD 0111 .....	1.21	.60	71.9	8.2	11.8
Acala 1517-70 .....	1.14	.52	73.0	8.1	13.9

Table 138.--High-quality test: Fiber data for Athens, Ga.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Coker 71500 .....	1.17	1.00	37.8	18.5	7.0
McNair 2-520 .....	1.14	.99	39.4	18.9	6.6
Coker 11067 .....	1.16	1.01	42.3	20.6	6.8
Brycot 350 .....	1.19	1.00	37.0	17.2	7.3
Mo. 63-277BR .....	1.19	1.00	35.8	18.0	7.9
La Dass 5175 .....	1.11	.94	40.0	18.9	6.9
Coker 310 .....	1.21	1.03	37.9	19.6	7.3
PD 9223 .....	1.19	1.02	40.2	19.3	6.0
Deltapine 16 .....	1.17	1.02	34.0	17.9	10.2
PD 9241 .....	1.18	1.02	37.1	19.3	8.0
McNair 71418 .....	1.10	.93	39.8	18.3	6.5
Bayou 7769 .....	1.12	.94	35.9	17.8	8.2
CP 0803 .....	1.18	1.01	42.4	20.8	6.3
PD 0109 .....	1.27	1.12	37.2	20.2	7.7
Deltapine 6582 ....	1.12	.98	38.7	20.6	8.0
PD 0113 .....	1.14	.99	42.6	20.7	5.7
Stoneville 1082 ...	1.22	1.03	39.5	19.5	6.6
Stoneville 429 ....	1.09	.92	43.4	19.8	5.5
PD 0111 .....	1.20	1.02	39.8	20.9	7.2
Acala 1517-70 .....	1.20	1.01	49.4	24.7	6.4

Table 139.--High-quality test: Yield, boll, and spinning data for Portageville, Mo.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Mo. 63-277BR .....	946 a	7.10	38.8	12.8	3.95
Coker 310 .....	902 ab	6.50	38.9	12.0	4.20
Deltapine 6582 ....	827 abc	6.15	40.6	12.2	4.36
Brycot 350 .....	805 abc	6.50	37.1	12.4	4.42
McNair 2-520 .....	791 abcd	6.25	37.9	12.0	4.44
Deltapine 16 .....	783 abcd	6.55	37.5	12.4	4.39
Stoneville 429 ....	778 abcd	6.65	38.0	13.2	5.09
CP 0803 .....	772 abcde	6.20	33.6	14.0	4.45
Coker 11067 .....	769 abcde	7.15	38.6	13.2	4.37
PD 9223 .....	748 abcdef	6.15	39.9	13.8	4.39
Stoneville 1082 ...	715 bcdefg	6.45	36.9	13.6	4.73
Acala 1517-70 .....	711 bcdefg	7.05	37.5	14.8	4.25
PD 9241 .....	710 bcdefg	5.85	38.4	13.6	3.92
La Dass 5175 .....	700 bcdefg	6.40	37.5	12.2	4.34
Coker 71500 .....	674 cdefg	6.55	39.7	13.2	4.50
PD 0111 .....	572 defgh	6.60	36.8	14.4	4.58
PD 0113 .....	548 efgh	6.70	37.7	13.6	4.50
Bayou 7769 .....	540 fgh	6.65	36.8	13.4	4.25
McNair 71418 .....	516 gh	7.50	38.3	14.8	4.75
PD 0109 .....	436 h	6.35	36.5	15.2	4.85
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	$R_d$	Hunter's <i>b</i> value		
Mo. 63-277BR .....	1.22	0.52	69.2	7.2	12.4
Coker 310 .....	1.23	.52	70.4	7.3	11.2
Deltapine 6582 ....	1.17	.55	71.5	7.0	13.2
Brycot 350 .....	1.19	.52	70.3	7.3	10.6
McNair 2-520 .....	1.17	.53	68.3	6.4	12.2
Deltapine 16 .....	1.19	.53	72.9	7.2	11.6
Stoneville 429 ....	1.17	.54	67.6	7.4	12.1
CP 0803 .....	1.19	.53	70.4	7.0	12.9
Coker 11067 .....	1.21	.56	70.0	7.8	12.7
PD 9223 .....	1.22	.53	69.3	7.1	13.7
Stoneville 1082 ...	1.24	.55	68.2	7.5	12.4
Acala 1517-70 .....	1.24	.56	68.3	7.7	14.0
PD 9241 .....	1.23	.56	70.4	7.0	13.2
La Dass 5175 .....	1.17	.52	69.6	7.7	12.2
Coker 71500 .....	1.22	.55	66.8	8.1	11.7
PD 0111 .....	1.24	.58	66.8	7.9	12.8
PD 0113 .....	1.21	.55	65.1	7.4	12.1
Bayou 7769 .....	1.20	.55	66.8	7.4	12.4
McNair 71418 .....	1.16	.51	66.1	8.0	10.8
PD 0109 .....	1.27	.60	64.0	7.7	13.1



Table 140.--High-quality test: Fiber data for Portageville, Mo.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Mo. 63-277BR .....	1.26	1.07	40.1	20.6	8.4
Coker 310 .....	1.27	1.02	40.3	19.8	7.1
Deltapine 6582 ....	1.21	1.06	44.2	23.8	7.6
Brycot 350 .....	1.22	.97	41.4	18.2	6.2
McNair 2-520 .....	1.23	1.05	42.1	20.4	6.5
Deltapine 16 .....	1.25	1.04	38.0	19.0	9.1
Stoneville 429 ....	1.23	1.03	46.9	22.5	5.4
CP 0803 .....	1.23	1.04	46.0	22.6	5.6
Coker 11067 .....	1.26	1.05	42.4	21.4	6.4
PD 9223 .....	1.27	1.08	46.0	23.2	6.2
Stoneville 1082 ...	1.31	1.09	44.4	22.0	6.5
Acala 1517-70 .....	1.30	1.08	47.6	23.4	6.2
PD 9241 .....	1.28	1.13	41.9	22.8	7.3
La Dass 5175 .....	1.23	1.04	44.8	20.8	6.3
Coker 71500 .....	1.27	1.04	42.8	20.9	6.3
PD 0111 .....	1.29	1.11	42.3	22.7	7.0
PD 0113 .....	1.25	1.07	44.7	22.2	5.8
Bayou 7769 .....	1.25	1.04	41.7	21.3	7.7
McNair 71418 .....	1.20	1.00	42.4	20.2	6.2
PD 0109 .....	1.33	1.17	42.7	23.2	6.9

Table 141.--High-quality test: Yield, boll, and spinning data for Tifton, Ga.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
La Dass 5175 .....	945 a	5.67	44.0	9.7	4.67
Bayou 7769 .....	902 ab	5.80	40.2	10.7	4.33
Coker 71500 .....	825 abc	5.62	41.1	10.0	4.37
McNair 71418 .....	785 abcd	6.76	38.9	12.2	4.84
Coker 310 .....	772 abcd	5.74	40.9	10.2	4.33
PD 0109 .....	753 abcd	5.11	39.9	11.1	4.69
Stoneville 429 ....	744 abcd	5.13	38.8	11.6	4.84
Mo. 63-277BR .....	727 bcd	6.20	40.1	11.1	4.00
Deltapine 16 .....	726 bcd	6.29	40.4	10.5	4.38
Coker 11067 .....	720 bcd	6.28	41.2	10.3	4.60
Stoneville 1082 ...	718 bcd	6.17	39.2	11.1	4.45
PD 0113 .....	715 bcd	5.94	39.9	10.6	4.37
McNair 2-520 .....	712 bcd	5.54	39.2	10.3	4.48
Brycot 350 .....	700 bcd	5.81	38.9	10.8	4.69
PD 9223 .....	690 bcd	5.46	42.0	10.5	4.23
PD 9241 .....	673 cd	5.46	41.5	10.3	4.47
PD 0111 .....	664 cd	5.53	38.8	10.3	4.26
CP 0803 .....	567 d	5.94	38.1	10.4	4.53
Deltapine 6582 ....	334 e	4.42	42.8	10.3	4.19
Acala 1517-70 .....	156 e	4.98	35.4	11.0	3.47
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	R <sub>d</sub>	Hunter's b value		
La Dass 5175 .....	1.11	0.54	77.9	7.6	12.2
Bayou 7769 .....	1.12	.53	76.7	7.8	12.1
Coker 71500 .....	1.15	.52	77.1	7.6	12.2
McNair 71418 .....	1.10	.52	75.2	8.0	11.0
Coker 310 .....	1.18	.54	75.6	7.6	11.6
PD 0109 .....	1.18	.57	76.6	7.7	13.3
Stoneville 429 ....	1.11	.51	75.2	7.4	12.5
Mo. 63-277BR .....	1.15	.56	77.2	7.8	12.4
Deltapine 16 .....	1.15	.54	78.7	7.5	11.1
Coker 11067 .....	1.16	.57	75.0	7.8	12.0
Stoneville 1082 ...	1.17	.54	74.3	8.0	11.7
PD 0113 .....	1.13	.54	76.2	7.3	12.2
McNair 2-520 .....	1.13	.54	77.2	7.3	12.4
Brycot 350 .....	1.12	.51	76.6	7.5	11.3
PD 9223 .....	1.18	.55	76.6	7.1	13.3
PD 9241 .....	1.17	.57	76.9	7.5	12.7
PD 0111 .....	1.19	.58	76.3	7.7	12.6
CP 0803 .....	1.17	.55	76.7	7.3	12.5
Deltapine 6582 ....	1.09	.54	75.5	7.4	11.7
Acala 1517-70 .....	1.13	.49	71.9	7.3	12.8

Table 142.--High-quality test: Fiber data for Tifton, Ga.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
La Dass 5175 .....	1.15	0.97	41.1	20.7	7.5
Bayou 7769 .....	1.15	.98	37.3	19.9	8.5
Coker 71500 .....	1.18	1.03	37.0	18.6	6.9
McNair 71418 .....	1.12	.94	38.3	19.0	6.7
Coker 310 .....	1.20	1.04	37.1	19.7	7.3
PD 0109 .....	1.20	1.05	40.2	22.2	8.8
Stoneville 429 ....	1.16	.97	42.3	20.4	6.2
Mo. 63-277BR .....	1.19	1.03	37.3	20.0	9.3
Deltapine 16 .....	1.16	1.00	34.5	18.1	9.7
Coker 11067 .....	1.17	.98	38.2	19.9	6.7
Stoneville 1082 ...	1.19	1.01	38.3	19.7	7.1
PD 0113 .....	1.16	.96	40.3	20.8	6.7
McNair 2-520 .....	1.15	1.01	39.5	20.0	7.1
Brycot 350 .....	1.14	.98	38.2	18.8	7.8
PD 9223 .....	1.18	1.00	42.7	21.7	6.4
PD 9241 .....	1.19	1.02	38.1	20.4	9.2
PD 0111 .....	1.20	1.05	39.6	21.7	8.0
CP 0803 .....	1.18	1.02	40.8	20.1	6.3
Deltapine 6582 ....	1.07	.92	40.6	20.7	8.0
Acala 1517-70 .....	1.16	.98	42.8	22.0	6.4

Table 143.--High-quality test: Yield, boll, and spinning data for Rocky Mount, N.C.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
McNair 2-520 .....	931 a	6.26	42.5	9.8	4.14
Mo. 63-277BR .....	800 b	6.49	41.7	10.3	3.80
PD 9241 .....	774 bc	5.56	42.6	10.2	4.24
PD 0111 .....	769 bc	5.74	40.1	10.8	4.42
McNair 71418 .....	757 bcd	7.45	41.1	13.1	4.52
PD 0113 .....	739 bcde	5.70	41.0	9.9	4.21
Coker 310 .....	730 bcde	5.95	43.3	9.7	3.94
Deltapine 16 .....	705 bcdef	5.95	41.7	10.0	4.05
PD 9223 .....	700 bcdef	5.29	43.2	9.8	3.99
CP 0803 .....	691 bcdef	6.14	38.9	10.7	3.98
Coker 71500 .....	670 cdef	5.62	43.1	9.6	3.99
PD 0109 .....	661 cdef	5.54	40.6	11.2	4.45
Coker 11067 .....	644 cdefg	6.06	43.2	9.6	4.10
Stoneville 429 ....	630 defg	5.72	41.3	10.8	4.71
Bayou 7769 .....	629 defg	5.55	42.0	9.9	3.88
La Dass 5175 .....	621 efg	5.32	42.7	9.7	4.13
Stoneville 1082 ...	579 fg	5.90	41.4	11.4	4.39
Brycot 350 .....	520 g	5.92	40.2	10.5	4.18
Deltapine 6582 ....	520 g	5.21	43.2	9.8	4.03
Acala 1517-70 .....	314 h	5.66	39.5	10.5	3.63
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	$R_d$	Hunter's <i>b</i> value		
McNair 2-520 .....	1.15	0.57	74.9	6.3	13.2
Mo. 63-277BR .....	1.17	.56	75.8	7.2	13.0
PD 9241 .....	1.14	.56	76.8	7.4	13.9
PD 0111 .....	1.18	.57	74.7	7.0	14.4
McNair 71418 .....	1.14	.54	73.3	6.8	12.6
PD 0113 .....	1.13	.54	76.1	6.7	13.7
Coker 310 .....	1.21	.55	75.3	7.8	13.0
Deltapine 16 .....	1.15	.53	75.3	7.6	12.4
PD 9223 .....	1.14	.54	77.9	7.2	14.0
CP 0803 .....	1.13	.53	76.1	6.9	13.9
Coker 71500 .....	1.16	.55	74.4	7.6	13.3
PD 0109 .....	1.17	.58	72.7	7.6	13.6
Coker 11067 .....	1.13	.54	75.2	7.0	13.3
Stoneville 429 ....	1.12	.54	74.6	7.1	12.9
Bayou 7769 .....	1.11	.53	74.8	7.7	13.2
La Dass 5175 .....	1.08	.51	76.1	7.4	13.0
Stoneville 1082 ...	1.16	.54	73.7	7.2	12.9
Brycot 350 .....	1.10	.52	75.0	7.1	12.4
Deltapine 6582 ....	1.06	.52	75.1	7.0	12.9
Acala 1517-70 .....	1.15	.54	74.2	7.2	14.5



Table 144.--High-quality test: Fiber data for Rocky Mount, N.C.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
McNair 2-520 .....	1.20	1.03	38.3	20.6	7.6
Mo. 63-277BR .....	1.23	1.06	38.5	20.3	9.5
PD 9241 .....	1.21	1.05	41.7	21.7	8.3
PD 0111 .....	1.23	1.07	43.0	23.7	8.4
McNair 71418 .....	1.21	1.02	40.0	20.1	7.5
PD 0113 .....	1.18	1.01	43.3	21.3	7.0
Coker 310 .....	1.24	1.03	40.5	20.7	8.1
Deltapine 16 .....	1.21	1.03	37.1	19.6	10.5
PD 9223 .....	1.18	1.00	44.5	21.5	6.7
CP 0803 .....	1.19	1.02	43.3	20.7	6.8
Coker 71500 .....	1.21	1.03	40.1	19.8	7.7
PD 0109 .....	1.25	1.09	41.7	22.2	8.2
Coker 11067 .....	1.19	1.03	41.5	21.4	7.1
Stoneville 429 ....	1.18	.98	44.5	20.0	6.3
Bayou 7769 .....	1.15	1.00	41.5	21.5	8.9
La Dass 5175 .....	1.16	1.01	42.2	20.3	7.1
Stoneville 1082 ...	1.22	1.04	40.6	20.1	7.1
Brycot 350 .....	1.16	1.00	40.3	19.1	7.0
Deltapine 6582 ....	1.12	.97	42.1	21.5	8.6
Acala 1517-70 .....	1.19	1.01	45.2	22.9	7.0

Table 145.--High-quality test: Yield, boll, and spinning data for St. Joseph, La.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
McNair 2-520 .....	755 a	6.21	38.6	11.5	4.49
PD 9241 .....	720 ab	6.85	39.6	12.7	4.43
Mo. 63-277BR .....	682 abc	6.30	39.1	12.0	4.16
Deltapine 16 .....	675 abc	6.19	39.4	10.7	4.27
CP 0803 .....	622 abcd	6.28	36.6	12.4	3.98
La Dass 5175 .....	593 bcde	5.80	40.5	10.9	4.39
PD 9223 .....	592 bcde	5.79	41.1	11.6	4.59
Brycot 350 .....	589 bcde	6.02	38.1	11.2	4.62
Coker 310 .....	587 bcde	5.58	40.6	10.9	4.29
Coker 71500 .....	569 cde	5.22	40.5	11.4	4.42
Coker 11067 .....	517 def	6.35	38.5	10.9	4.22
PD 0113 .....	509 def	5.71	38.9	11.6	4.50
PD 0111 .....	498 def	6.18	37.3	12.4	4.80
PD 0109 .....	488 def	6.07	38.5	12.7	4.72
Stoneville 429 ....	464 ef	5.34	38.9	12.2	4.92
McNair 71418 .....	453 ef	6.63	37.8	15.1	4.68
Bayou 7769 .....	445 ef	5.36	38.8	11.7	4.34
Deltapine 6582 ....	405 f	5.34	41.0	10.8	4.54
Stoneville 1082 ...	394 f	6.04	38.6	12.5	4.43
Acala 1517-70 .....	187 g	6.62	39.2	13.3	3.97
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	R <sub>d</sub>	Hunter's b value		
McNair 2-520 .....	1.16	0.54	66.4	5.8	12.5
PD 9241 .....	1.20	.58	72.4	6.0	13.2
Mo. 63-277BR .....	1.22	.58	72.9	6.4	12.8
Deltapine 16 .....	1.20	.56	76.3	6.4	11.5
CP 0803 .....	1.19	.56	73.1	6.0	13.1
La Dass 5175 .....	1.14	.52	74.0	6.2	11.8
PD 9223 .....	1.19	.55	74.2	5.9	14.0
Brycot 350 .....	1.17	.53	72.2	6.2	11.5
Coker 310 .....	1.23	.56	71.9	6.5	12.0
Coker 71500 .....	1.19	.55	71.5	6.3	12.8
Coker 11067 .....	1.21	.56	70.5	6.5	12.8
PD 0113 .....	1.17	.55	73.0	6.6	12.9
PD 0111 .....	1.19	.57	72.7	7.2	13.9
PD 0109 .....	1.20	.59	70.1	5.8	13.6
Stoneville 429 ....	1.17	.56	72.2	6.8	12.0
McNair 71418 .....	1.16	.52	70.4	7.0	11.6
Bayou 7769 .....	1.19	.56	71.2	6.7	12.8
Deltapine 6582 ....	1.12	.54	72.6	6.7	12.7
Stoneville 1082 ...	1.19	.53	72.9	6.6	12.4
Acala 1517-70 .....	1.18	.53	71.7	6.9	13.1

Table 146.--High-quality test: Fiber data for St. Joseph, La.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
McNair 2-520 .....	1.23	1.06	40.4	19.2	6.2
PD 9241 .....	1.27	1.10	42.0	21.4	6.7
Mo. 63-277BR .....	1.25	1.05	40.2	20.3	7.3
Deltapine 16 .....	1.26	1.07	38.1	19.0	7.9
CP 0803 .....	1.25	1.05	46.6	21.0	5.8
La Dass 5175 .....	1.18	.98	44.1	18.7	5.7
PD 9223 .....	1.24	1.03	46.6	22.0	5.1
Brycot 350 .....	1.22	1.02	43.3	18.5	6.1
Coker 310 .....	1.26	1.02	40.0	19.5	6.7
Coker 71500 .....	1.26	1.07	42.0	21.4	6.5
Coker 11067 .....	1.26	1.06	41.7	20.5	6.4
PD 0113 .....	1.21	1.01	44.2	20.6	6.0
PD 0111 .....	1.24	1.08	45.5	23.0	6.4
PD 0109 .....	1.27	1.09	42.7	22.4	6.8
Stoneville 429 ....	1.21	1.00	45.3	20.8	5.0
McNair 71418 .....	1.21	1.01	40.8	19.3	6.3
Bayou 7769 .....	1.23	1.04	43.1	21.9	7.0
Deltapine 6582 ....	1.17	1.00	43.7	21.7	6.7
Stoneville 1082 ...	1.25	1.01	43.1	21.1	5.3
Acala 1517-70 .....	1.25	1.05	43.8	21.6	6.4

Table 147.--High-quality test: Yield, boll, and spinning data for Jackson, Tenn.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
McNair 71418 .....	693 a	6.60	38.9	10.9	4.32
PD 0113 .....	502 b	6.15	37.0	10.9	3.73
Coker 11067 .....	500 b	7.03	39.5	10.7	3.98
PD 9241 .....	495 b	6.03	38.5	11.9	3.87
CP 0803 .....	494 b	6.52	35.6	12.2	4.04
PD 9223 .....	492 bc	6.03	39.5	11.6	3.94
Coker 310 .....	463 bcd	6.18	37.8	10.6	3.70
Mo. 63-277BR .....	452 bcd	6.67	36.8	11.0	3.23
Stoneville 429 ....	425 bcde	6.20	36.9	12.5	4.52
McNair 2-520 .....	405 bcde	7.88	37.9	13.0	4.25
Brycot 350 .....	373 cdef	6.02	35.8	11.2	3.76
PD 0111 .....	350 def	5.88	36.9	11.3	3.89
PD 0109 .....	329 efg	6.44	36.3	12.2	4.13
Coker 71500 .....	323 efg	5.99	37.2	10.9	3.73
Acala 1517-70 .....	283 fgh	6.35	36.6	12.4	3.74
Deltapine 16 .....	281 fgh	6.11	36.8	10.4	3.65
Stoneville 1082 ...	260 fgh	5.55	35.6	11.1	3.49
Deltapine 6582 ....	225 gh	5.53	38.9	10.0	3.68
Bayou 7769 .....	195 h	5.36	37.6	10.0	3.28
La Dass 5175 .....	174 h	5.21	37.3	9.7	3.64
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	R <sub>d</sub>	Hunter's b value		
McNair 71418 .....	1.15	0.54	76.9	8.0	13.1
PD 0113 .....	1.21	.57	78.1	8.0	14.2
Coker 11067 .....	1.18	.55	74.9	9.0	13.5
PD 9241 .....	1.19	.56	76.1	8.1	13.7
CP 0803 .....	1.21	.58	74.6	8.9	13.7
PD 9223 .....	1.23	.58	75.3	8.3	14.1
Coker 310 .....	1.26	.58	75.7	8.7	13.5
Mo. 63-277BR .....	1.25	.56	75.9	8.8	13.3
Stoneville 429 ....	1.20	.58	74.5	8.4	13.0
McNair 2-520 .....	1.16	.54	75.6	8.2	12.8
Brycot 350 .....	1.17	.52	75.4	8.9	12.5
PD 0111 .....	1.25	.58	75.6	8.4	13.9
PD 0109 .....	1.27	.61	75.6	7.8	14.1
Coker 71500 .....	1.24	.57	71.7	9.9	13.0
Acala 1517-70 .....	1.22	.57	76.0	7.9	14.5
Deltapine 16 .....	1.20	.55	77.0	8.4	12.6
Stoneville 1082 ...	1.24	.54	72.9	9.7	13.3
Deltapine 6582 ....	1.14	.56	73.9	7.8	13.8
Bayou 7769 .....	1.14	.52	75.2	8.6	13.1
La Dass 5175 .....	1.13	.51	74.4	9.1	12.6



Table 148.--High-quality test: Fiber data for Jackson, Tenn.

Variety	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
McNair 71418 .....	1.22	1.02	40.8	20.3	7.7
PD 0113 .....	1.28	1.10	43.0	22.6	7.7
Coker 11067 .....	1.23	1.03	43.6	22.2	7.6
PD 9241 .....	1.27	1.07	42.1	22.1	9.0
CP 0803 .....	1.27	1.10	42.9	21.9	7.0
PD 9223 .....	1.30	1.11	44.1	22.7	6.9
Coker 310 .....	1.27	1.05	40.8	21.9	8.2
Mo. 63-277BR .....	1.27	1.05	39.3	20.9	9.4
Stoneville 429 ....	1.25	1.04	44.0	20.9	6.5
McNair 2-520 .....	1.24	1.05	38.7	20.1	7.6
Brycot 350 .....	1.21	1.02	39.1	19.0	7.9
PD 0111 .....	1.28	1.10	43.9	23.2	9.0
PD 0109 .....	1.33	1.18	41.1	22.7	8.6
Coker 71500 .....	1.26	1.07	40.3	20.8	8.2
Acala 1517-70 .....	1.24	1.05	45.2	23.5	6.8
Deltapine 16 .....	1.23	1.02	38.6	20.2	10.8
Stoneville 1082 ...	1.29	1.05	41.8	21.4	7.8
Deltapine 6582 ....	1.17	1.02	42.5	23.1	9.1
Bayou 7769 .....	1.16	.96	41.8	21.2	9.4
La Dass 5175 .....	1.18	.97	43.6	19.6	7.2

# PIMA REGIONAL COTTON VARIETY TEST

Table 149.--Pima test: Yield, boll, spinning, and fiber data by cotton variety

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
P-30 .....	1071 a	3.59 c	38.9 b	12.8 b	4.34 a
P-29 .....	1045 a	3.68 b	39.3 a	12.0 d	4.23 b
P-28 .....	1041 a	3.15 f	37.2 d	11.7 e	4.17 b
E-4 .....	969 b	3.21 f	34.8 f	12.5 c	4.39 a
P-32 .....	951 bc	3.28 e	39.0 b	10.2 f	4.18 b
Pima S-4 .....	917 c	3.73 ab	38.0 c	11.9 d	4.22 b
P-33 .....	856 d	3.50 d	37.9 c	11.9 d	4.08 c
E-6 .....	831 d	3.50 d	34.8 f	13.6 a	4.19 b
Pima S-3 .....	740 e	3.78 a	36.1 e	12.4 c	4.07 c
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	R <sub>d</sub>	Hunter's b value		
P-30 .....	1.47 a	0.71 b	64.4 f	9.3 a	17.2 def
P-29 .....	1.41 cd	.69 bcd	67.6 cd	9.0 b	17.2 de
P-28 .....	1.35 e	.68 d	66.0 e	9.2 a	17.8 c
E-4 .....	1.47 a	.72 a	70.2 a	7.2 e	17.4 d
P-32 .....	1.31 f	.65 e	69.2 b	8.6 c	18.7 a
Pima S-4 .....	1.40 d	.69 cd	67.8 c	8.8 b	17.0 ef
P-33 .....	1.42 bc	.71 b	66.9 d	8.8 b	18.3 b
E-6 .....	1.43 c	.70 bc	70.5 a	7.7 d	17.9 c
Pima S-3 .....	1.42 bc	.69 bcd	65.1 f	9.4 a	16.8 f
Drawing silver (inches)		Stelometer			
UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)	
P-30 .....	1.43 b	1.13 b	51.9 abc	30.2 bc	7.1 f
P-29 .....	1.38 d	1.11 c	51.0 de	29.8 cde	8.1 ab
P-28 .....	1.34 f	1.10 cd	51.6 cde	29.6 de	8.0 bc
E-4 .....	1.44 a	1.17 a	52.7 a	30.4 b	7.2 ef
P-32 .....	1.31 g	1.08 d	52.6 a	31.1 a	8.3 a
Pima S-4 .....	1.36 e	1.09 d	50.9 e	29.2 e	8.0 bc
P-33 .....	1.41 c	1.14 b	52.5 ab	31.2 a	7.6 d
E-6 .....	1.43 ab	1.16 a	51.8 bcd	30.1 bcd	7.4 e
Pima S-3 .....	1.38 d	1.09 cd	48.6 f	28.3 f	7.9 c

Table 150.--Pima test: Yield, boll, spinning, and fiber data by test location

Location	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
Wenden, Ariz. ....	1458 a	3.68 b	37.3 d	12.4 b	4.27 bc
Salome, Ariz. ....	1362 b	3.43 def	38.0 c	11.7 d	4.19 cd
Marana, Ariz. (exp. farm) .....	996 c	3.41 efg	36.6 e	11.7 d	4.19 cd
Phoenix, Ariz. ....	983 c	3.22 h	33.9 g	12.6 b	4.17 d
Las Cruces, N. Mex.	809 d	3.86 a	38.1 bc	12.9 a	4.21 bcd
Safford, Ariz. (Curtis farm) ....	795 d	3.31 fgh	39.4 a	10.9 e	4.09 e
Marana, Ariz. (Clark farm) .....	779 d	3.26 gh	36.0 f	11.7 d	4.29 b
El Paso, Tex. ....	744 de	3.65 bc	38.5 b	12.1 c	4.06 e
Safford, Ariz. (Station) .....	650 ef	3.52 cde	37.1 d	12.4 b	4.38 a
Safford, Ariz. (Pace farm) .....	650 f	3.56 bcd	38.4 bc	12.5 b	4.23 bcd
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%		50%	$R_d$	Hunter's b value	
Wenden, Ariz. ....	1.42 bc	0.71 a	67.8 abc	8.8 ab	17.8 bc
Salome, Ariz. ....	1.37 e	.67 b	66.2 e	9.0 a	16.9 ef
Marana, Ariz. ....	1.43 ab	.71 a	67.9 abc	8.1 c	18.1 ab
Phoenix, Ariz. ....	1.46 a	.72 a	68.2 ab	8.7 b	18.5 a
Las Cruces, N. Mex.	1.39 cde	.66 b	66.6 de	8.8 ab	16.9 ef
Safford, Ariz. (Curtis farm) ....	1.38 de	.68 b	68.2 ab	9.0 a	17.3 de
Marana, Ariz. (Clark farm) .....	1.38 de	.66 b	67.0 cde	8.3 c	16.5 f
El Paso, Tex. ....	1.42 bc	.68 b	66.9 cde	8.7 b	18.1 ab
Safford, Ariz. (Station) .....	1.41 bcd	.71 a	67.4 bcd	8.7 b	17.4 cd
Safford, Ariz. (Pace farm) .....	1.44 ab	.73 a	68.8 a	8.8 ab	18.5 a

Table 151.--Pima test: Fiber data by test location

Location	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
Wenden, Ariz. ....	1.41 b	1.12 c	51.6 cd	29.6 cde	7.3 de
Salome, Ariz. ....	1.35 ef	1.07 de	49.6 e	28.9 ef	7.4 cd
Marana, Ariz. ....	1.39 bcd	1.12 c	52.5 bc	31.1 a	7.0 f
Phoenix, Ariz. ....	1.46 a	1.20 a	51.3 d	31.1 a	7.2 ef
Las Cruces, N. Mex.	1.37 def	1.11 cd	48.2 f	28.7 f	8.3 a
Safford, Ariz. (Curtis farm) ....	1.37 def	1.12 c	52.8 b	29.8 cd	8.4 a
Marana, Ariz. (Clark farm) ....	1.34 f	1.04 e	51.0 d	29.1 def	7.5 c
El Paso, Tex. ....	1.39 bcd	1.11 c	51.0 d	30.6 ab	8.0 b
Safford, Ariz. (Station) .....	1.38 cde	1.14 bc	53.0 ab	29.9 bc	8.3 a
Safford, Ariz. (Pace farm) .....	1.41 bc	1.17 ab	54.0 a	30.8 a	7.9 b



Table 152.--Pima test: Combined yield, boll, spinning, and fiber data for Phoenix, Marana (Experimental and Clark farms), Salome, and Wenden, Ariz., by cotton variety

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
P-30 .....	1304 a	3.47 b	37.9 b	12.4 b	4.26 bc
P-29 .....	1275 ab	3.65 a	38.5 a	11.9 cd	4.31 ab
P-28 .....	1237 b	3.10 e	36.2 d	11.7 d	4.20 cd
Pima S-4 .....	1150 c	3.69 a	37.3 c	11.9 cd	4.21 bcd
P-32 .....	1101 cd	3.18 d	37.9 b	10.4 e	4.21 bcd
E-4 .....	1094 d	3.05 e	33.7 f	12.4 b	4.41 a
P-33 .....	996 e	3.51 b	37.2 c	12.0 c	4.15 d
E-6 .....	924 f	3.36 c	33.6 f	13.4 a	4.20 cd
Pima S-3 .....	828 g	3.62 a	35.0 e	12.2 b	4.04 e

	Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)
	2.5%	50%	R <sub>d</sub>	Hunter's b value	
P-30 .....	1.46 a	0.69 c	64.3 e	9.3 a	16.8 de
P-29 .....	1.40 c	.69 c	67.8 c	8.9 bc	17.3 cd
P-28 .....	1.36 d	.69 c	66.0 d	9.2 ab	17.9 b
Pima S-4 .....	1.39 c	.68 c	67.9 c	8.6 cd	17.1 cde
P-32 .....	1.32 e	.65 d	69.1 b	8.4 d	18.6 a
E-4 .....	1.48 a	.74 a	69.6 ab	7.1 f	17.4 c
P-33 .....	1.44 b	.72 b	67.3 c	8.7 cd	18.3 ab
E-6 .....	1.43 b	.70 bc	70.3 a	7.5 e	18.0 b
Pima S-3 .....	1.43 b	.69 c	64.6 e	9.4 a	16.8 e

	Drawing silver (inches)		Stelometer		
	UHM	Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
P-30 .....	1.40 b	1.08 cd	51.6 bc	30.0 cd	6.5 e
P-29 .....	1.38 c	1.10 bc	51.1 cd	29.8 cd	7.6 ab
P-28 .....	1.36 d	1.11 bc	50.7 d	29.4 d	7.5 b
Pima S-4 .....	1.38 c	1.09 c	50.6 d	29.5 e	7.8 a
P-32 .....	1.31 e	1.07 d	52.2 b	30.9 ab	7.7 ab
E-4 .....	1.44 a	1.15 a	53.2 a	30.5 abc	6.7 e
P-33 .....	1.41 b	1.13 ab	52.0 b	31.2 a	7.2 c
E-6 .....	1.43 a	1.15 a	51.4 bcd	30.3 bc	6.9 c
Pima S-3 .....	1.40 b	1.11 bc	48.0 e	28.1 e	7.7 ab

Table 153.--Pima test: Combined yield, boll, spinning and fiber data for El Paso; Las Cruces, N. Mex.; Safford, Ariz. (Station and Curtis and Pace farms), by cotton variety

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
E-4 .....	818 a	3.37 e	36.0 e	12.5 c	4.37 ab
P-28 .....	803 ab	3.20 f	38.2 c	11.7 e	4.14 cd
P-30 .....	788 ab	3.70 bc	39.9 a	13.1 b	4.41 a
P-32 .....	769 b	3.38 e	40.0 a	10.0 f	4.14 cd
P-29 .....	766 b	3.63 bc	40.0 a	12.2 d	4.16 cd
E-6 .....	718 c	3.49 c	36.0 e	13.8 a	4.18 c
P-33 .....	687 c	3.29 d	38.6 b	11.9 e	4.01 d
Pima S-3 .....	634 d	3.95 a	37.3 d	12.5 c	4.10 cd
Pima S-4 .....	634 d	3.78 b	38.7 b	11.9 e	4.24 bc
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%	50%	$R_d$	Hunter's <i>b</i> value		
E-4 .....	1.45 ab	0.71 ab	70.8 a	7.3 e	17.4 cd
P-28 .....	1.34 e	.68 cd	66.0 d	9.3 ab	17.7 c
P-30 .....	1.47 a	.72 a	64.6 e	9.3 a	17.5 cd
P-32 .....	1.31 f	.66 d	69.4 b	8.8 c	18.9 a
P-29 .....	1.42 bc	.69 bc	67.3 c	9.0 bc	17.2 de
E-6 .....	1.44 bc	.71 ab	70.7 a	8.0 d	17.9 bc
P-33 .....	1.41 d	.69 bc	66.5 cd	8.9 c	18.3 b
Pima S-3 .....	1.42 cd	.69 bc	65.5 de	9.4 a	16.9 e
Pima S-4 .....	1.41 d	.70 bc	67.6 c	9.0 bc	16.9 e
Drawing silver (inches)		Stelometer			
UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)	$E_1$ (percent)	
E-4 .....	1.44 ab	1.19 a	52.1 abc	30.4 ab	7.8 cd
P-28 .....	1.33 e	1.09 de	52.5 ab	29.8 bc	8.5 b
P-30 .....	1.45 a	1.19 a	52.1 abc	30.4 ab	7.7 d
P-32 .....	1.31 e	1.09 de	53.0 a	31.3 a	8.9 8
P-29 .....	1.39 c	1.13 cd	51.0 c	29.7 bc	8.6 ab
E-6 .....	1.43 b	1.17 ab	52.2 abc	29.8 bc	7.9 cd
P-33 .....	1.40 c	1.15 bc	53.1 a	31.1 a	8.0 cd
Pima S-3 .....	1.36 d	1.08 e	49.2 d	28.5 d	8.0 cd
Pima S-4 .....	1.35 d	1.07 e	51.1 bc	28.8 cd	8.1 c

Table 154.--Pima test: Yield, boll, spinning, and fiber data for Wenden, Ariz.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
P-30 .....	1770 a	3.86	39.3	12.3	4.26
P-28 .....	1646 ab	3.29	37.1	12.1	4.35
P-29 .....	1580 b	3.86	39.3	12.3	4.42
Pima S-4 .....	1531 bc	3.95	37.7	12.4	4.12
E-4 .....	1516 bc	3.28	34.1	13.0	4.38
P-33 .....	1357 cd	3.80	39.2	12.1	4.26
P-32 .....	1289 d	3.44	38.9	11.0	4.19
E-6 .....	1224 d	3.63	34.8	13.8	4.19
Pima S-3 .....	1212 d	4.02	35.7	12.8	4.26
		Span length (inches)		Colorimeter	
		2.5%	50%	$R_d$	Hunter's $b$ value
P-30 .....	1.48	0.73	65.6	9.3	16.6
P-28 .....	1.37	.71	66.3	9.2	18.5
P-29 .....	1.42	.73	67.7	9.1	18.1
Pima S-4 .....	1.41	.68	68.2	8.9	16.9
E-4 .....	1.49	.75	70.3	7.3	17.8
P-33 .....	1.46	.75	67.6	9.0	18.5
P-32 .....	1.32	.67	70.1	8.5	18.9
E-6 .....	1.41	.68	70.1	8.1	18.4
Pima S-3 .....	1.43	.70	64.8	9.8	16.5
		Drawing silver (inches)		Stelometer	
		UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)
				$E_1$ (percent)	
P-30 .....	1.43	1.10	51.3	28.6	6.4
P-28 .....	1.39	1.11	53.3	30.3	7.4
P-29 .....	1.42	1.14	53.1	30.9	7.6
Pima S-4 .....	1.38	1.07	50.3	28.9	7.8
E-4 .....	1.47	1.14	54.6	30.2	6.6
P-33 .....	1.46	1.18	51.5	31.2	7.2
P-32 .....	1.33	1.06	53.3	30.3	7.9
E-6 .....	1.46	1.20	50.5	29.0	7.0
Pima S-3 .....	1.41	1.11	47.1	27.2	7.8

Table 155.--Pima test: Yield, boll, spinning, and fiber data for Salome, Ariz.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
P-28 .....	1552 a	3.10	38.1	11.1	4.17
E-4 .....	1544 a	3.10	35.3	12.0	4.27
P-30 .....	1467 ab	3.45	39.1	12.5	4.27
P-29 .....	1439 ab	3.64	40.0	11.5	4.16
Pima S-4 .....	1358 bc	3.73	39.0	11.9	4.22
P-32 .....	1297 cd	3.33	39.8	9.8	4.20
E-6 .....	1279 cde	3.42	35.6	12.9	4.29
P-33 .....	1175 de	3.49	38.9	11.8	4.21
Pima S-3 .....	1149 e	3.64	36.5	12.1	3.92
Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)	
2.5%                      50%		$R_d$	Hunter's <i>b</i> value		
P-28 .....	1.33	0.65	65.0	9.3	17.1
E-4 .....	1.46	.72	68.9	7.4	17.3
P-30 .....	1.44	.66	62.5	9.9	16.2
P-29 .....	1.37	.66	65.8	9.6	16.5
Pima S-4 .....	1.38	.68	65.9	9.3	16.3
P-32 .....	1.25	.61	67.7	9.0	17.4
E-6 .....	1.39	.67	70.7	7.3	17.4
P-33 .....	1.36	.67	65.6	9.2	17.6
Pima S-3 .....	1.42	.70	64.4	9.7	16.7
Drawing silver (inches)		Stelometer			
UHM                      Mean		$T_0$ (cN/tex)	$T_1$ (cN/tex)	$E_1$ (percent)	
P-28 .....	1.31	1.08	49.0	27.1	7.8
E-4 .....	1.42	1.12	53.2	30.7	6.5
P-30 .....	1.38	1.06	49.2	28.7	6.7
P-29 .....	1.35	1.07	48.8	27.9	8.0
Pima S-4 .....	1.35	1.09	48.2	27.5	7.8
P-32 .....	1.24	.99	49.5	30.2	7.7
E-6 .....	1.38	1.05	51.5	30.4	6.8
P-33 .....	1.36	1.08	51.4	30.7	7.4
Pima S-3 .....	1.40	1.12	45.9	27.2	8.1



Table 156.--Pima test: Yield, boll, spinning, and fiber data for Phoenix, Ariz.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
P-29 .....	1295 a	3.61	36.5	12.4	4.22
P-30 .....	1261 a	3.37	35.2	13.1	4.25
P-32 .....	1156 b	2.94	35.5	10.7	4.22
P-28 .....	1139 b	2.96	34.0	12.0	4.06
Pima S-4 .....	1128 b	3.55	35.3	12.4	4.18
P-33 .....	889 c	3.52	34.4	12.7	4.18
E-4 .....	732 d	2.74	31.8	13.2	4.46
E-6 .....	667 e	3.00	30.5	14.0	4.06
Pima S-3 .....	581 f	3.32	32.0	12.7	3.94
		Span length (inches)		Colorimeter	
		2.5%	50%	$R_d$	Hunter's <i>b</i> value
P-29 .....	1.45	0.72	69.8	8.7	18.2
P-30 .....	1.53	.73	65.7	9.3	18.6
P-32 .....	1.37	.66	70.9	8.4	19.9
P-28 .....	1.41	.73	66.4	9.3	18.6
Pima S-4 .....	1.44	.73	69.1	8.5	18.0
P-33 .....	1.51	.75	67.5	8.9	19.2
E-4 .....	1.49	.75	70.3	7.8	18.3
E-6 .....	1.49	.75	70.2	7.9	18.6
Pima S-3 .....	1.45	.72	64.2	9.5	17.3
		Drawing silver (inches)		Stelometer	
		UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)
P-29 .....	1.45	1.20	50.9	30.9	7.6
P-30 .....	1.48	1.16	53.5	32.2	6.3
P-32 .....	1.39	1.17	52.9	32.3	7.4
P-28 .....	1.42	1.16	49.7	31.7	7.2
Pima S-4 .....	1.46	1.21	51.4	30.7	8.0
P-33 .....	1.48	1.22	51.8	31.0	6.9
E-4 .....	1.50	1.28	50.6	30.5	6.8
E-6 .....	1.50	1.27	50.9	31.0	7.1
Pima S-3 .....	1.45	1.12	50.5	30.1	7.3

Table 157.--Pima test: Yield, boll, spinning, and fiber data for Marana, Ariz.  
(Experimental farm)

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
P-29 .....	1214 a	3.64	39.0	11.5	4.32
P-30 .....	1139 ab	3.39	38.0	12.0	4.29
P-28 .....	1073 bc	3.12	36.4	11.7	4.24
P-32 .....	1071 bc	3.20	38.0	10.2	4.34
Pima S-4 .....	1070 bc	3.67	37.7	11.5	4.19
E-4 .....	995 c	3.08	33.9	12.0	4.24
P-33 .....	890 d	3.41	37.3	11.5	4.05
E-6 .....	794 de	3.48	34.1	13.2	4.17
Pima S-3 .....	723 e	3.67	35.3	12.0	3.87
Span length (inches)		Colorimeter		Yarn tenacity	
2.5%		50%	R <sub>d</sub>	Hunter's b value	(cN/tex)
P-29 .....	1.41	0.68	69.0	8.4	17.6
P-30 .....	1.43	.68	64.4	8.7	18.0
P-28 .....	1.37	.70	67.2	8.9	19.0
P-32 .....	1.36	.69	69.5	7.8	19.3
Pima S-4 .....	1.43	.70	69.3	8.0	17.7
E-4 .....	1.56	.78	69.4	6.6	17.1
P-33 .....	1.45	.74	68.5	8.4	18.9
E-6 .....	1.47	.76	69.6	6.8	18.4
Pima S-3 .....	1.42	.69	64.1	9.2	17.4
Drawing silver (inches)		Stelometer			
UHM		Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
P-29 .....	1.36	1.04	52.3	31.5	7.0
P-30 .....	1.36	1.06	53.2	31.6	6.2
P-28 .....	1.38	1.14	52.3	30.5	7.3
P-32 .....	1.35	1.12	53.4	32.2	7.7
Pima S-4 .....	1.41	1.12	53.4	31.7	7.5
E-4 .....	1.45	1.15	53.2	30.2	6.7
P-33 .....	1.40	1.13	53.7	32.1	7.2
E-6 .....	1.45	1.19	52.6	31.1	7.0
Pima S-3 .....	1.42	1.11	48.6	28.9	7.0

Table 158.--Pima test: Yield, boll, spinning, and fiber data for Marana, Ariz.  
(Clark farm)

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
P-30 .....	954 a	3.29	38.0	12.3	4.24
P-29 .....	863 ab	3.48	37.9	11.9	4.45
P-28 .....	860 ab	3.02	35.4	11.4	4.18
E-4 .....	835 ab	3.03	33.5	12.0	4.70
E-6 .....	782 ab	3.26	33.2	13.0	4.29
P-33 .....	741 bc	3.33	36.2	11.7	4.04
Pima S-4 .....	700 bc	3.53	36.9	11.4	4.33
P-32 .....	683 bc	3.01	37.3	10.1	4.13
Pima S-3 .....	593 c	3.43	35.3	11.5	4.24
		Span length (inches)		Colorimeter	
		2.5%	50%	$R_d$	Hunter's <i>b</i> value
P-30 .....	1.46	0.66	63.2	9.2	14.9
P-29 .....	1.38	.67	67.0	8.8	16.1
P-28 .....	1.35	.66	65.2	9.1	16.5
E-4 .....	1.41	.71	69.2	6.5	16.6
E-6 .....	1.39	.67	70.7	7.3	17.4
P-33 .....	1.43	.68	67.3	8.0	17.4
Pima S-4 .....	1.33	.62	67.3	8.4	16.7
P-32 .....	1.32	.64	67.6	8.3	17.4
Pima S-3 .....	1.41	.66	65.6	9.0	16.0
		Drawing silver (inches)		Stelometer	
		UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)
P-30 .....	1.38	1.06	51.1	29.1	7.1
P-29 .....	1.34	1.06	50.5	28.0	8.1
P-28 .....	1.31	1.06	49.3	27.7	8.1
E-4 .....	1.38	1.06	54.7	30.8	6.7
E-6 .....	1.38	1.05	51.5	30.4	6.8
P-33 .....	1.37	1.05	51.9	31.1	7.2
Pima S-4 .....	1.31	1.01	50.1	28.6	8.0
P-32 .....	1.26	.99	51.8	29.5	7.7
Pima S-3 .....	1.36	1.08	48.1	27.1	8.4

Table 159.--Pima test: Yield, boll, spinning, and fiber data for El Paso, Tex.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
E-4 .....	943 a	3.39	37.1	12.1	4.32
P-30 .....	823 b	3.86	40.5	13.0	4.40
E-6 .....	785 bc	3.96	36.5	14.2	4.22
P-29 .....	774 bc	3.61	39.8	12.0	4.08
P-28 .....	762 bc	3.36	38.0	12.0	4.05
Pima S-3 .....	692 cd	3.94	36.9	12.8	3.99
P-32 .....	692 cd	3.24	39.7	9.6	3.84
Pima S-4 .....	611 d	3.78	38.7	11.6	3.93
P-33 .....	610 d	3.69	39.2	11.6	3.75
		Span length (inches)		Colorimeter	
		2.5%	50%	$R_d$	Hunter's b value
E-4 .....	1.44	0.70	68.4	7.1	17.3
P-30 .....	1.46	.71	63.8	9.2	17.9
E-6 .....	1.41	.64	70.3	8.2	17.6
P-29 .....	1.46	.69	67.3	8.7	17.1
P-28 .....	1.35	.65	65.6	9.2	18.2
Pima S-3 .....	1.47	.71	66.3	9.4	18.0
P-32 .....	1.31	.66	68.0	8.7	19.4
Pima S-4 .....	1.47	.71	66.8	8.8	18.0
P-33 .....	1.43	.70	66.2	9.1	19.3
		Drawing silver (inches)		Stelometer	
		UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)
E-4 .....	1.47	1.23	51.2	30.5	8.1
P-30 .....	1.47	1.19	51.0	31.1	7.9
E-6 .....	1.45	1.15	50.5	29.2	8.1
P-29 .....	1.42	1.13	49.5	30.3	8.8
P-28 .....	1.31	1.02	51.6	31.9	7.7
Pima S-3 .....	1.35	1.05	49.0	28.5	7.9
P-32 .....	1.31	1.09	52.6	31.5	8.6
Pima S-4 .....	1.30	1.00	51.3	29.9	7.0
P-33 .....	1.45	1.17	52.9	32.8	8.1



Table 160.--Pima test: Yield, boll, spinning, and fiber data for Las Cruces, N. Mex.

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
P-30 .....	912 a	4.03	39.7	13.9	4.47
E-4 .....	899 a	3.67	36.2	13.2	4.49
P-28 .....	894 a	3.28	37.9	12.1	4.15
E-6 .....	823 ab	4.09	35.2	15.0	4.28
P-32 .....	817 ab	3.73	40.2	10.6	4.20
P-29 .....	777 bc	3.99	39.1	13.5	3.94
Pima S-3 .....	759 bc	4.31	37.0	13.4	4.22
P-33 .....	707 c	3.62	39.4	12.0	3.84
Pima S-4 .....	696 c	4.03	38.6	12.3	4.34

	Span length (inches)		Colorimeter		Yarn tenacity (cN/tex)
	2.5%	50%	$R_d$	Hunter's <i>b</i> value	
P-30 .....	1.45	0.68	63.8	9.2	16.3
E-4 .....	1.44	.66	70.4	7.2	16.6
P-28 .....	1.34	.67	65.2	9.4	17.2
E-6 .....	1.48	.71	69.5	8.0	17.5
P-32 .....	1.28	.63	68.7	8.8	18.2
P-29 .....	1.40	.67	65.6	9.3	17.1
Pima S-3 .....	1.39	.65	64.8	9.2	16.4
P-33 .....	1.41	.66	65.2	8.7	17.3
Pima S-4 .....	1.37	.66	66.5	9.3	16.0

	Drawing silver (inches)		Stelometer		
	UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)	$E_1$ (percent)
P-30 .....	1.44	1.17	48.2	28.0	8.1
E-4 .....	1.41	1.12	49.3	29.1	7.4
P-28 .....	1.34	1.10	49.1	27.0	8.9
E-6 .....	1.43	1.15	49.5	30.2	8.1
P-32 .....	1.32	1.13	48.3	29.6	8.7
P-29 .....	1.39	1.13	47.3	28.4	8.9
Pima S-3 .....	1.30	1.01	47.1	28.9	7.9
P-33 .....	1.36	1.10	47.3	29.8	7.9
Pima S-4 .....	1.34	1.07	48.7	27.6	8.9

Table 161.--Pima test: Yield, boll, spinning, and fiber data for Safford, Ariz.  
(Curtis farm)

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
P-30 .....	878 a	3.36	41.0	11.4	4.29
P-28 .....	862 a	3.01	39.2	10.7	4.05
P-29 .....	860 a	3.40	41.4	10.8	4.02
E-6 .....	827 ab	3.30	37.1	12.2	4.08
P-32 .....	804 ab	3.13	41.0	9.2	3.92
P-33 .....	783 bc	3.35	40.2	11.0	4.02
Pima S-3 .....	717 c	3.57	38.7	10.7	4.08
Pima S-4 .....	715 c	3.49	39.9	10.7	4.13
E-4 .....	709 c	3.16	35.9	11.8	4.23
		Span length (inches)		Colorimeter	
		2.5%	50%	$R_d$	Hunter's <i>b</i> value
P-30 .....	1.43	0.68	64.6	9.8	17.3
P-28 .....	1.32	.66	64.5	9.9	17.4
P-29 .....	1.38	.66	68.4	9.2	16.7
E-6 .....	1.45	.70	71.2	8.0	17.5
P-32 .....	1.31	.66	70.5	8.8	18.6
P-33 .....	1.38	.68	67.4	9.3	17.7
Pima S-3 .....	1.37	.68	66.6	9.7	16.5
Pima S-4 .....	1.35	.65	69.7	9.0	16.2
E-4 .....	1.46	.71	71.3	7.5	17.4
		Drawing silver (inches)		Stelometer	
		UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)
P-30 .....	1.44	1.20	54.2	31.3	7.8
P-28 .....	1.31	1.09	54.5	30.1	9.1
P-29 .....	1.38	1.15	52.4	29.0	8.6
E-6 .....	1.44	1.20	53.1	30.4	7.9
P-32 .....	1.30	1.07	54.1	31.7	9.2
P-33 .....	1.37	1.09	56.0	30.3	8.3
Pima S-3 .....	1.36	1.04	48.9	27.8	8.0
Pima S-4 .....	1.32	1.02	50.5	27.4	8.3
E-4 .....	1.46	1.21	52.0	30.8	8.1

Table 162.--Pima test: Yield, boll, spinning, and fiber data for Safford, Ariz.  
(Pace farm)

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
P-32 .....	800 a	3.44	39.9	10.6	4.23
E-4 .....	771 a	3.34	35.7	12.9	4.27
P-28 .....	728 ab	3.13	38.7	11.6	4.34
P-29 .....	700 abc	3.80	40.2	12.2	4.23
P-33 .....	656 bcd	3.49	39.5	12.2	4.17
P-30 .....	627 cde	3.53	39.2	13.8	4.31
E-6 .....	563 de	3.40	36.2	14.1	4.09
Pima S-4 .....	555 e	3.89	38.7	12.4	4.35
Pima S-3 .....	449 f	4.03	37.2	13.0	4.08
		Span length (inches)		Colorimeter	
		2.5%	50%	$R_d$	Hunter's $b$ value
P-32 .....	1.35	0.68	70.5	8.8	20.1
E-4 .....	1.49	.75	72.3	7.5	18.1
P-28 .....	1.35	.71	69.0	9.2	18.4
P-29 .....	1.43	.72	68.6	8.9	18.2
P-33 .....	1.43	.71	68.4	8.7	19.1
P-30 .....	1.54	.79	65.1	9.5	18.4
E-6 .....	1.45	.74	71.9	7.9	18.9
Pima S-4 .....	1.45	.73	67.8	9.4	17.7
Pima S-3 .....	1.45	.74	65.4	9.6	17.4
		Drawing silver (inches)		Stelometer	
		UHM	Mean	$T_0$ (cN/tex)	$T_1$ (cN/tex)
P-32 .....	1.34	1.12	55.6	32.4	9.0
E-4 .....	1.47	1.20	54.3	31.5	7.7
P-28 .....	1.35	1.14	54.0	30.4	8.0
P-29 .....	1.39	1.13	53.1	30.8	8.3
P-33 .....	1.43	1.20	55.3	32.3	7.7
P-30 .....	1.49	1.23	54.8	31.7	7.5
E-6 .....	1.44	1.21	53.9	30.2	7.6
Pima S-4 .....	1.41	1.15	53.7	30.2	7.9
Pima S-3 .....	1.40	1.14	51.4	28.4	7.7

Table 163.--Pima test: Yield, boll, spinning, and fiber data for Safford, Ariz.  
(Station)

Variety	Lint yield (lb/acre)	Boll size (g/boll)	Lint percent	Seed index	Micronaire reading
P-28 .....	754 a	3.23	37.3	12.0	4.11
E-4 .....	740 a	3.29	34.9	12.6	4.54
P-32 .....	718 a	3.34	39.3	10.2	4.53
P-29 .....	695 ab	3.75	39.5	12.4	4.52
P-33 .....	674 ab	3.29	34.9	12.6	4.29
P-30 .....	655 abc	3.72	39.2	13.4	4.59
Pima S-4 .....	574 bcd	3.70	37.5	12.4	4.46
E-6 .....	526 cd	3.42	35.0	13.4	4.22
Pima S-3 .....	514 d	3.90	36.5	12.7	4.15
Span length (inches)		Colorimeter		Yarn tenacity	
2.5%		50%	R <sub>d</sub>	Hunter's <i>b</i> value	(cN/tex)
P-28 .....	1.37	0.71	65.8	8.8	17.5
E-4 .....	1.44	.72	71.8	7.3	17.8
P-32 .....	1.30	.67	69.2	9.0	18.5
P-29 .....	1.43	.72	66.7	9.0	17.0
P-33 .....	1.40	.72	65.5	9.0	18.1
P-30 .....	1.47	.75	65.7	9.1	17.8
Pima S-4 .....	1.43	.73	67.4	8.9	16.5
E-6 .....	1.42	.74	70.5	8.1	17.9
Pima S-3 .....	1.43	.68	64.5	9.4	16.4
Drawing silver (inches)		Stelometer			
UHM		Mean	T <sub>0</sub> (cN/tex)	T <sub>1</sub> (cN/tex)	E <sub>1</sub> (percent)
P-28 .....	1.33	1.13	53.4	29.6	8.7
E-4 .....	1.42	1.18	54.1	30.4	8.0
P-32 .....	1.28	1.07	54.8	31.6	8.8
P-29 .....	1.38	1.10	52.8	30.0	8.5
P-33 .....	1.41	1.19	53.9	30.5	8.0
P-30 .....	1.43	1.14	52.7	30.2	7.5
Pima S-4 .....	1.38	1.14	51.6	29.1	8.6
E-6 .....	1.39	1.15	54.0	29.0	7.7
Pima S-3 .....	1.41	1.16	49.9	29.0	8.8



# COMBED-YARN TEST

Table 164.--Combed-yarn test: Phoenix, Ariz.

Test	Variety				
	Pima S-3	Pima S-4	P-28	P-29	P-30
Classer's designation:					
Grade .....	9	8	9	8	9
Staple: 32's inch .....	46	46	46	46	48
Yarn tenacity, cN/tex:					
11.8-tex, combed .....	16.2	16.0	16.9	16.0	16.4
7.4-tex, combed .....	13.9	13.9	14.6	13.9	14.6
Yarn appearance index ...	95	120	110	115	105
Yarn imperfections:					
11.8-tex, combed.....	4	2	2	2	2
7.4-tex, combed.....	4	2	2	1	2
Waste, percent:					
Picker and card .....	17.8	13.7	17.3	11.8	15.3
Comber .....	18.0	15.6	15.2	16.1	18.9
	P-32	P-33	E-4	E-6	
Classer's designation:					
Grade .....	8	9	10	10	
Staple: 32's inch .....	46	48	46	48	
Yarn tenacity, cN/tex:					
11.8-tex, combed .....	17.2	16.9	16.7	17.2	
7.4-tex, combed .....	14.6	14.6	13.9	15.0	
Yarn appearance index ...	120	100	100	105	
Yarn imperfections:					
11.8-tex, combed.....	2	3	4	2	
7.4-tex, combed.....	1	2	3	2	
Waste, percent:					
Picker and card .....	13.1	16.0	26.6	18.4	
Comber .....	14.9	17.1	17.7	17.2	

Table 165.--Combed-yarn test: Las Cruces, N. Mex.

Test	Variety				
	Pima S-3	Pima S-4	P-28	P-29	P-30
Classer's designation:					
Grade .....	7	4	6	5	6
Staple: 32's inch .....	44	44	44	46	46
Yarn tenacity, cN/tex:					
11.8-tex, combed .....	15.3	15.3	16.2	15.3	15.5
7.4-tex, combed .....	12.8	13.1	13.9	13.1	13.1
Yarn appearance index ...	120	120	120	120	115
Yarn imperfections:					
11.8-tex, combed.....	1	1	2	1	1
7.4-tex, combed.....	1	1	2	1	1
Waste, percent:					
Picker and card .....	12.1	10.2	11.7	11.4	13.2
Comber .....	15.6	15.5	16.6	15.0	17.7

	P-32	P-33	E-4	E-6
Classer's designation:				
Grade .....	5	6	8	7
Staple: 32's inch .....	42	44	46	46
Yarn tenacity, cN/tex:				
11.8-tex, combed .....	16.7	16.4	16.0	16.2
7.4-tex, combed .....	14.6	13.9	13.5	14.2
Yarn appearance index ...	120	120	110	120
Yarn imperfections:				
11.8-tex, combed.....	2	2	2	1
7.4-tex, combed.....	1	1	2	1
Waste, percent:				
Picker and card .....	11.6	13.6	16.6	13.4
Comber .....	16.1	16.2	15.7	14.7

Table 166.--Combed-yarn test: Safford, Ariz.

Test	Variety				
	Pima S-3	Pima S-4	P-28	P-29	P-30
Classer's designation:					
Grade .....	7	6	7	6	6
Staple: 32's inch .....	44	46	44	46	48
Yarn tenacity, cN/tex:					
11.8-tex, combed .....	15.0	14.8	16.0	14.8	15.5
7.4-tex, combed .....	12.8	12.4	13.9	12.8	13.5
Yarn appearance index ...	105	115	115	120	115
Yarn imperfections:					
11.8-tex, combed.....	2	1	2	1	2
7.4-tex, combed.....	2	1	1	1	2
Waste, percent:					
Picker and card .....	10.7	9.3	8.4	9.2	9.5
Comber .....	18.0	19.3	16.0	16.8	17.4
	P-32	P-33	E-4	E-6	
Classer's designation:					
Grade .....	6	7	9	7	
Staple: 32's inch .....	42	44	46	46	
Yarn tenacity, cN/tex:					
11.8-tex, combed .....	16.2	16.4	16.2	16.4	
7.4-tex, combed .....	13.9	13.9	13.5	13.9	
Yarn appearance index ...	120	115	110	110	
Yarn imperfections:					
11.8-tex, combed.....	1	1	2	2	
7.4-tex, combed.....	1	1	2	1	
Waste, percent:					
Picker and card .....	9.3	10.2	17.8	11.3	
Comber .....	17.1	16.1	16.1	16.2	

Table 167.--Combed-yarn test: El Paso, Tex.

Test	Variety				
	Pima S-3	Pima S-4	P-28	P-29	P-30
Classer's designation:					
Grade .....	8	6	8	7	8
Staple: 32's inch .....	44	44	44	46	44
Yarn tenacity, cN/tex:					
11.8-tex, combed .....	15.8	15.5	16.4	15.5	15.8
7.4-tex, combed .....	13.9	13.1	14.2	13.1	13.5
Yarn appearance index ...	115	115	120	115	105
Yarn imperfections:					
11.8-tex, combed.....	2	1	1	1	3
7.4-tex, combed.....	2	0	0	1	3
Waste, percent:					
Picker and card .....	14.4	12.6	12.9	11.0	16.7
Comber .....	16.1	16.7	15.7	15.0	24.6

	P-32	P-33	E-4	E-6
Classer's designation:				
Grade .....	8	8	9	8
Staple: 32's inch .....	44	44	48	46
Yarn tenacity, cN/tex:				
11.8-tex, combed .....	16.7	16.4	15.5	16.4
7.4-tex, combed .....	14.6	14.2	13.1	13.9
Yarn appearance index ...	120	115	115	115
Yarn imperfections:				
11.8-tex, combed.....	2	3	3	1
7.4-tex, combed.....	1	2	1	1
Waste, percent:				
Picker and card .....	12.9	15.8	18.6	15.0
Comber .....	16.9	17.3	16.2	14.6



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